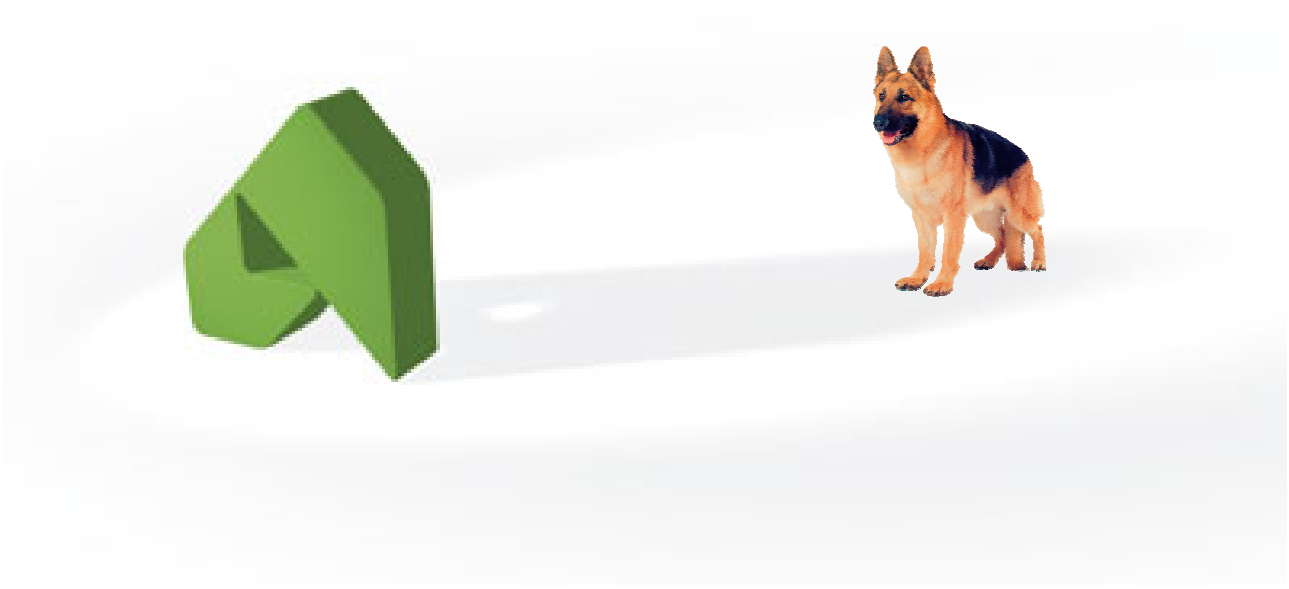
agrolabo

DIAGNOSTIC PRODUCT LINE

FOR CATS, DOGS AND HORSES

ONE STEP TEST
ELISA
IFA
MICROBIOLOGY
AGGLUTINATION



Immunodiagnostics Catalogue for Cats, Dogs and Horses.

Catalogues available: ELISA products for FARM ANIMALS - TRASFUSIONAL products for Cats and Dogs - ELISA products for FOOD SAFETY

CATALOGUE INDEX

AGROLABO DIAGNOSTIC PRODUCTS. Catalogue for Cats, Dogs, and Horses.

It is easy to develop and manufacture reliable diagnostic tests; if you have excellent immunoreagents and at least 20 years of valuable experience.

Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

We thank you for the interest shown in our products especially for our veterinary tests.

Founded in 1975, AGROLABO S.p.A., is a name well know worldwide for its Diagnostics, Therapeutic and Nutritional products for livestock and companion animals.

We would like to introduce you to our immunodiagnostic product catalogue.

While the AGROLABO group focuses on Veterinary products for livestock and companion animals in the area of Nutritional and Therapeutic products, its Division ***BioPronix*** focuses on diagnostic products for Immunology, Immunohaematology and Infectious Disease. All of our diagnostic tests are based on state of the art technologies that have been developed by our staff of scientists and that are the result of 20 years of experience with in vitro immunodiagnostic test systems.

We have been manufacturing quality ONE STEP tests at competitive prices for more than 20 years. Our products and our company's activity are guaranteed by EN UNI ISO 9002/2000 quality certification. As a leader in innovation of in vitro immunodiagnostic test systems, ***BioPronix*** is specialised in Rapid One Step Tests, that is, immunochromatography assays which use marking conjugate. Our tests are also available in ELISA and IFA formats. At the heart of our success is our commitment to developing strong and lasting relationships with our customers. This means collaborating in an efficient and flexible way in order to help clients to obtain the answers and results they need, by developing innovative products and carrying out quality research. We are scientist ourselves.

All of our products are distributed and appreciated all over the world in countries in Europe, the USA and Japan. Our distributors worldwide are increasing their sales and profit with our kits. We would like you to join our growing list of satisfied customers.

All of our products are developed and manufactured in our facility in Scarmagno. They are available in several formats, from 5 tests/kit to 30 tests/kit, under AGROLABO's International Logo or, upon request, under your own business logo (minimum order required). We are also available to manufacture packaging. To ensure the highest quality standard of our rapid tests, all of our products are based on the immunochromatographic method (lateral flow technique) and use exclusively recombinant proteins and/or monoclonal antibodies as reagents that are developed and manufactured in our research center in Scarmagno.

BioPronix, as the whole Agrolabo group, does not only provide products, but above all assistance and service to all of its customers.

Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

IC LINE
ONE STEP Test LINE
for DOGS and CATS

BioPronix, the diagnostics division of Agrolabo, is pleased to introduce its new rapid One Step tests, based on recombinant protein technology. A complete range of **I**mmuno**C**hromatographic test are available for both cats and dogs, where a unique combination of monoclonal and recombinant proteins selectivity identify pathologies correctly and with a very high degree of sensitivity and specificity.

Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

HEARTWORM IC

Introduction

The third generation HEARTWORM IC TEST for the detection of cuticular antigen (Ag) (glycoprotein) of Dirofilaria immitis is based on the immunochromatographic technique developed by AGROLABO, which characterises the whole IC line of tests. An initial monoclonal antibody (Mab) against the antigen, is bound as a capture reagent to a nitrocellulose membrane at window 2 of the device. A second monoclonal antibody (MabGOLD) to Dirofilaria immitis antigen, but specific to a different epitope, is conjugated with colloidal gold and is absorbed at window 1. The conjugate, which reactivates with the addition of the sample, recognizes the cuticular antigen and binds it to a site (epitope) different to the one recognized by the second antibody that is immobilized on the membrane. In this way we have the first immunocomplex: Ag-MabGOLD. This complex migrates to window 2 where it interacts with the antibody bound to the membrane and forms the complex: Mab-Ag-MabGOLD. This complex is then immobilised on the membrane and subsequently a red line appears at window 2.

Test validation

The first study carried out regarded the evaluation of the test's ability to be reproduced on 40 samples. A whole blood aliquot was immediately used for the 1st test contemporarily using a HEARTWORM IC test and an ELISA test. While the remaining part was centrifuged and the plasma was frozen in two aliquots. The study shows a correlation value of 97,5% using the ELISA method. The only difference shown was in sample no. 10, which produced a positive result with the ELISA test and a negative result with the HEARTWORM IC test. This was probably due to the high hemolytic characteristics of the sample. This result demonstrates the high sensitiveness of HEARTWORM IC test.

With regards to the test's ability to be reproduced, the HEARTWORM IC can be considered 100% reproducible, as it provided the same results for each repeated test.

A second study to evaluate the sensitivity and specificity of the HEARTWORM IC test, was carried out in correlation with an ELISA test on 230 samples. This evaluation was completed by Agrolabo's Research Centre in collaboration with the Veterinary University of Turin. The test results demonstrate the HEARTWORM IC test's excellent performance:

- SENSITIVITY - 97,98% (195/199)
- SPECIFICITY - 100% (31/31)
- FALSE NEGATIVE RATE - 2,01% (4/199)
- FALSE POSITIVE RATE - 0% (4/195)

A third correlation study was completed on 112 canine samples that were tested with the HEARTWORM IC test and other tests available on the market, as listed below:

- Petcheck (Idexx) - ELISA Test
- Speed HW (Bio Veto Test) - Immunochromatographic Test
- HEARTWORM IC (Agrolabo) Immunochromatographic Test
- HW test (Heska) - Immunochromatographic Test
- Snap HW (Idexx) – rapid ELISA Test

The data obtained shows that the HEARTWORM IC test has a high correlation level with all available tests; correlation is also high with ELISA tests, which are usually more sensitive and specific.

- Petcheck (Idexx) – 96,4%
- Speed HW (Bio Veto Test) – 90,0%
- HW test (Heska) – 98,3%
- Snap HW (Idexx) – 95,1%

Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

HEARTWORM IC
Technical Sheet

- N° of pathologies detected:	1 (Dirofilaria immitis)
- N° device per pathology:	1 per each pathology
- Detection:	Antigen research
- Monoclonal antibodies used:	1 x Mab against cuticolar glycoprotein of Dirofilaria immitis
- Storage condition:	18 - 25 °C
- Shelf life:	18 months
- Sample required:	Whole blood, plasma, serum of dog
- Total time to run the test:	15 minutes included time for results reading
- Kit contents:	One step test device, single packaged Disposable pipette Dropper with buffer diluent Instruction for use
- Package available:	5, 10, 20, 30, 100 tests/package.
- Language used on package:	English/Italian
- Instruction language:	English
- Manufacturer:	AGROLABO S.p.A.
- Manufacturer address:	Via Masero snc 10010 Scarmagno (TO) Italy Tel.: 0039 0125 731111 Fax: 0039 0125 731190 E-mail: agrolabo@agrolabo.it www.agrolabo.it
- Minimum order:	1 kit
- International Marketing Office:	Louise Judge BA (Hons)
- European marketing sales manager:	Marco Tumiati Ph.D.
- World marketing sales manager:	Paolo Poletti Ph.D.
- Price:	See European Price List.

Generazione Filaria IC
BIOPRONIX
Divisione del gruppo AGROLABO

LEISHMANIA IC

Introduction

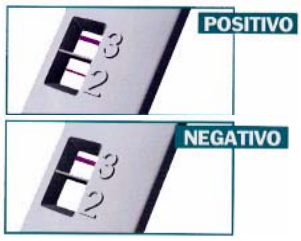
The LEISHMANIA IC test is based on immunochromatographic technique developed by AGROLABO which characterises the IC rapid test line. The test detects antibodies against Leishmania in canine sera. A capture reagent is bound on the membrane of window 2 of the device. This reagent is composed of a group of antigens that are present in the various phases of the pathogen; an anti-dog IgG antibody is conjugated with colloidal gold and is absorbed at window 1 of the device. The sample is added in window 3 of the device and, if present, the anti-Leishmania IgG reacts in a specific way with the capture reagent in window 2. When the dilution agent is added in window 1, the conjugate, that flows and reaches window 2 level, reactivates and interacts with the anti-Leishmania antibodies of the sample bound to the antigen. The complex creates a red line at window 2.

Test validation

The evaluation of the test's reliability and validity has been accomplished through different specificity, sensitivity and correlation studies. The following studies (available from AGROLABO's Research Centre or on www.agrolabo.it) were carried out:

- Comparative study with other commercial tests made on 78 samples
- Comparative study made on 30 samples from different regions
- Comparative study with ELISA test on 178 samples
- Comparative study made with other rapid tests on 12 samples

Each study showed a high level of specificity and sensitivity, above all if used in conjunction with with an indirect immunofluorescence test (IFI).



Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

LEISHMANIA IC

Technical Sheet

- N° of pathologies detected:	1 (Leishmania infantum)
- N° device per pathology:	1 per each pathology
- Detection:	Antibody research
- Recombinant protein used:	New Cyclic Recombinant protein
- Storage condition:	18 - 25 °C
- Shelf life:	18 months
- Sample required:	Plasma, serum of dog
- Total time to run the test:	15 minutes included time for results reading
- Kit contents:	One step test device, single packaged Disposable tips Dropper with buffer diluent Dilution tube 10 µl automatic pipette (optional) Instruction for use
- Package available:	5, 10, 20, 30, 50, 100 test/package. The same packaging are available with and without the automatic pipette.
- Language used on package:	English/Italian
- Instruction language:	English
- Manufacturer:	AGROLABO S.p.A.
- Manufacturer address:	Via Masero snc 10010 Scarmagno (TO) Italy Tel.: 0039 0125 731111 Fax: 0039 0125 731190 E-mail: agrolabo@agrolabo.it www.agrolabo.it
- Minimum order:	1 kit
- International Marketing Office:	Louise Judge BA (Hons)
- Marketing sales manager:	Marco Tumiati Ph.D.
- World marketing sales manager:	Paolo Poletti Ph.D.
- Price:	See European Price List

EHRLICHIA IC

Introduction

The Ehrlichia IC test is based on the immunochromatographic technique, which is easy and fast to perform, and uses a highly specific purified recombinant antigen. The recombinant protein is a dominant antigen of Ehrlichia canis: its use prevents the batch-to-batch variability observed when whole cell extracts are used, providing a high reproducibility of results.

The test is highly specific and detects 100% of positive samples with >1:120 antibody titre. In this way, cases in the acute phase of the disease are mainly detected, in which a high level of antibodies are present and treatment is promptly required.

The EHRLICHIA IC test is based on the immunochromatographic technique developed by AGROLABO which characterises all rapid tests belonging to the IC line. The E. canis recombinant antigen is bound as capture reagent on the nitrocellulose membrane in window 2 of the device. The same protein is conjugated with colloidal gold and placed in a dried form in window 1 of the device. When the sample is added to window 1 the anti-E.canis antibodies bind with the gold conjugated-protein, migrate towards window 2, and bind with the antigen on the membrane forming the anti-Ehrlichia+antigen antibody complex.

Subsequently a red line will appear at window 2.

Test validation

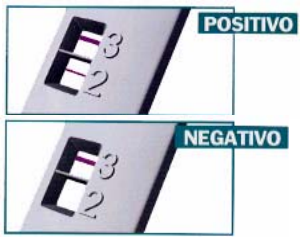
A comparative study between indirect immunofluorescence (IFI) and EHRLICHIA IC, showed the following results:

- IFI Titre <1:50 = Neg. 35% - Pos. 65%
- IFI Titre 1:60 – 1:120 = Neg. 24% - Pos. 76%
- IFI Titre 1:120 – 1:320 = Neg. 0% - Pos. 100%
- IFI Titre >1:320 = Neg. 0% - Pos. 100%

Scientific literature concerning the tests:

1. Allione A., Canale L., Bollo E., Poletti P. (2000): “Tecniche diagnostiche innovative per l’ehrlichiosi canina” Atti del 40° Congresso Nazionale della Società Culturale Italiana Veterinari Animali da Compagnia, Montecatini Terme (PT), 30.3.-2.4.2000, p. 128.

2. Allione A., Canale L., Bo S., Pallavicini L., Manna L., Bollo E. (2001): “A comparative study between a new rapid one-step test and immunofluorescence assay for detection of Ehrlichia canis antibodies in dog” Proceedings of the 10th International Symposium of the World Association of Veterinary Laboratory Diagnosticians, Salsomaggiore Terme (PR) (Italy), 4-7.7.2001, p. 240.



Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

EHRLICHIA IC

Technical Sheet

- N° of pathologies detected:	1 (Ehrlichia canis)
- N° device per pathology:	1 per each pathology
- Detection:	Antibody research
- Recombinant protein used:	P32 recombinant protein
- Storage condition:	18 - 25 °C
- Shelf life:	18 months
- Sample required:	Whole blood, plasma, serum of dog
- Total time to run the test:	15 minutes included time for results reading
- Kit contents:	One step test device, single packaged Disposable pipette Dropper with buffer diluent Instruction for use
- Package available:	5, 10, 20, 30, 50 test/package.
- Language used on package:	English/Italian
- Instruction language:	English
- Manufacturer:	AGROLABO S.p.A.
- Manufacturer address:	Via Masero snc 10010 Scarmagno (TO) Italy Tel.: 0039 0125 731111 Fax: 0039 0125 731190 E-mail: agrolabo@agrolabo.it www.agrolabo.it
- Minimum order:	1 kit
- International Marketing Office:	Louise Judge BA (Hons)
- Marketing sales manager:	Marco Tumiati Ph.D.
- World marketing sales manager:	Paolo Poletti Ph.D.
- Price:	See European Price List

PARVO IC

Introduction

For the detection of Canine Parvovirus Antigen (Ag) based on the immunochromatographic technique developed by AGROLABO which characterises all IC tests. A monoclonal antibody (Mab) specific to the parvovirus antigen is bound as capture agent on the nitrocellulose membrane at window 2 of the device. A second monoclonal antibody (MabGOLD) to parvovirus antigen, but specific to a different epitope, is conjugated with colloidal gold and applied in window 1 of the device.

When the sample is added, the reactivated conjugate recognizes the antigen and binds it to a site (epitope) different to the one recognized by the antibody on the membrane. In this way the first complex, Ag-MabGOLD, is formed. This complex migrates to window 2 where it interacts with the antibody bound on the membrane and thus forming the Mab-Ag-MabGOLD complex. This complex is blocked on the membrane and consequently a red line appears at window 2.

Test validation

The evaluation of the test's reliability and validity was completed through a series of studies that checked specificity, sensitivity and correlation.

- Sensitivity study
- Correlation study
- Kinetic of virus infection and sensitivity of IC test (available on www.agrolabo.it)
- Correlation study on 135 samples (available on www.agrolabo.it)

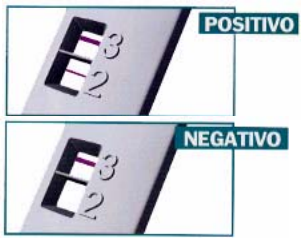
The PARVO IC test is based on the immunochromatographic technique and detects a specific canine Parvovirus antigen (CPV) in canine faecis. The test uses a mix of monoclonal antibodies which have been tested with three different kinds of CPV isolated in Spain, type a, b and 2a.

The first study examined the test's sensitivity. The target aim of the test's development was to create a test able to detect positivity of a patient before clinical symptoms. The evaluation of sensitivity was realised preparing different dilutions of viral particles. The highest dilution determined by the PARVO IC test was 15 ng/ml.

The sensitivity value makes the PARVO IC test a valid screening test to be used both for diagnosis and for prevention as a routine control system, above all on new born puppies considering that the detecting titer is shown in faeces in 2-4 days from infection.

The second study was carried out in correlation between the PARVO IC test, the ELISA technique and cellular colture and agglutination test. In this study 142 samples, from animals with and without symptoms, were studied (from Veterinary University of Madrid, Spain).

Results show that the sensitivity and specificity of the PARVO IC test is 100%.



Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

PARVO IC

Technical Sheet

- N° of pathologies detected:	1 (Parvovirus canine)
- N° device per pathology:	1 per each pathology
- Detection:	Antigen research
- Monoclonal antibodies used:	Mab against specific antigen of Parvovirus canine
- Storage condition:	18 - 25 °C
- Shelf life:	18 months
- Sample required:	Faeces of dog
- Total time to run the test:	15 minutes included time for results reading
- Kit contents:	One step test device, single packaged Disposable pipette Tube for faeces collection and dilution Instruction for use
- Package available:	5, 10 test/package.
- Language used on package:	English Italian
- Instruction language:	English
- Manufacturer:	AGROLABO S.p.A.
- Manufacturer address:	Via Masero snc 10010 Scarmagno (TO) Italy Tel.: 0039 0125 731111 Fax: 0039 0125 731190 E-mail: agrolabo@agrolabo.it www.agrolabo.it
- Minimum order:	1 kit
- International Marketing Office:	Loujse Judge BA (Hons)
- European marketing sales manager:	Marco Tumiati Ph.D.
- World marketing sales manager:	Paolo Poletti Ph.D.
- Price:	See European Price List

FeLV/FIV IC

Introduction FeLV

The FeLV IC test for the detection of p27 antigen against the Feline Leukaemia Virus is based on the immunochromatographic technique developed by AGROLABO which characterizes the whole IC test line.

One anti-p27 monoclonal antibody is immobilized on the nitrocellulose membrane in window 2 of the device as a capture reagent. Another anti-p27 monoclonal antibody is conjugated with colloidal gold and is absorbed in window 1 of the device. The conjugate is re-activated when the sample is added. It recognizes the p27 protein and binds it on a site (epitope) which is different to the one recognized by the antibody bound on the membrane. In this way we obtain the antigen-conjugate complex. This complex migrates to window 2 where it binds with the antibody immobilized on the membrane. This forms the antibody-antigen-conjugate complex, which is immobilized on the membrane and subsequently a red line appears at window 2.

FeLV test parameters

A correlation study was carried out in collaboration with Prof. Enrico Bollo from the Veterinary University of Turin and the veterinarians, Dr. Alessandra Allione and Dr. Lorena Canale from Agrolabo's Research Centre. The purpose of the study was to evaluate the level of correlation of the FeLV IC test in comparison with other tests; the study was performed on the same samples in order to obtain a significant result from a statistical point of view. Analysis was made on a total of 45 cat samples using the following test methods:

- Ingezim FeLV (Ingenasa) - ELISA, antigenic research
- Viracheck FeLV (Synbiotics) - ELISA, antigenic research
- Snap Combo Plus FeLV Ag/FIV Ab (Idexx) - rapid ELISA method, antigenic research
- Witness FeLV/FIV (Synbiotics) – Immunochromatographic method, antigenic research
- Speed Duo FeLV-FIV (Bio Veto Test) – Immunochromatographic method, antigenic research

The results are indicated here below. As per data obtained, the FeLV IC test has a high level of correlation with all available tests; correlation is higher with ELISA tests, which are usually more sensitive and specific.

- Snap Combo Plus (Idexx) = 94,3%
- Witness FeLV/FIV (Synbiotics) = 94,6%
- Speed Duo FeLV/FIV (Bio Veto Test) = 93,7%
- Viracheck FeLV (Synbiotics) = 97,7%
- Ingezim FeLV (Ingenasa) = 100,0%

Introduction to FIV

The FIV IC test is based on the immunochromatographic technique developed by AGROLABO which characterises the entire line of IC tests. The test detects antibodies against Feline Immunodeficiency Virus in cat blood samples. A new FIV recombinant antigen is bound as capture reagent on the nitrocellulose membrane at window 2 of the device, while a monoclonal anti-cat IgG antibody is conjugated with colloidal gold, and absorbed at window 1. When the sample is added in window 3, it migrates towards window 2, where it binds with the antigen bound on the membrane and forms the complex: anti-FIV antibody+FIV antigen. When the dilution agent is added in window 1, the conjugate is re-activated and migrates to window 2, forming the FIV antigen+anti-FIV antibody +conjugate complex. This is immobilized on the membrane and consequently a red line appears at window 2.

FIV test parameters

A correlation study was realised in collaboration with Prof. Enrico Bollo from the Veterinary University of Turin and the veterinarians, Dr. Alessandra Allione and Dr. Lorena Canale from Agrolabo's Research Centre. The purpose of the study was to evaluate the level of correlation of the FIV IC test in comparison to other tests; the study was performed on the same samples in order to obtain a significant result from a statistical point of view. Analysis was made on a total of 45 samples using the following tests:

Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

- Ingezim FIV (Ingenasa) - ELISA method
- Viracheck FIV (Synbiotics) - ELISA method
- Snap Combo Plus FeLV Ag/FIV Ab (Idexx) – rapid ELISA method
- Witness FeLV/FIV (Synbiotics) – Immunochromatographic method
- Speed Duo FeLV-FIV (Bio Veto Test) - Immunochromatographic method

The results are indicated here below. As per data obtained, the FIV IC test has an high level of correlation with all tests available on the market.

- Snap Combo Plus (Idexx) = 97,1%
- Witness FeLV/FIV (Synbiotics) = 97,3%
- Speed Duo FeLV/FIV (Bio Veto Test) = 96,9%
- Viracheck FeLV (Synbiotics) = 95,4%

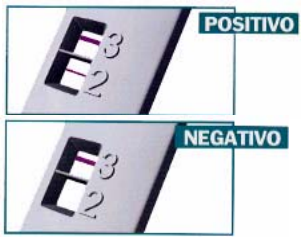
Ingezim FeLV (Ingenasa) = 95,5%

Scientific literature concerning the tests:

1. Bollo E., Allione A., Canale L., Poletti P., Bo S., Vozza M., Luaces Lòpez I. (2001): "Valutazione comparativa di test immunocromatografici per la diagnosi sierologica dell'infezione da FIV e da FeLV nel gatto" Summa, 18, (4), 63-66.

2. Bollo E., Allione A., Bo S., Vozza M. (2001): "Feline immunodeficiency virus and feline leukemia virus infection in cats: immunochromatography as a rapid tool for serological diagnosis" Proceedings of the 10th International Symposium of the World Association of Veterinary Laboratory Diagnosticians, Salsomaggiore Terme (PR) (Italy), 4-7.7.2001, p. 242.

3. Bollo E., Allione A., Bo S., Vozza M., Luaces López I. (2003): "Evaluation of rapid immunochromatographic tests for serological diagnosis of Feline Immunodeficiency Virus and Feline Leukemia Virus infection in cats" Journal of Animal and Veterinary Advances, 2, 496-501.



Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

FeLV IC

Technical Sheet

- N° of pathologies detected:	1 (Feline Leukaemia)
- N° device per pathology:	1 per each pathology
- Detection:	P27 antigen research
- Monoclonal antibodies used:	Mab against specific antigen P27 of Feline Leukaemia
- Storage condition:	18 - 25 °C
- Shelf life:	18 months
- Sample required:	Whole blood, plasma, serum of cat
- Total time to run the test:	15 minutes included time for results reading
- Kit contents:	One step test device, single packaged Disposable pipette Dropper with dilution buffer Instruction for use
- Package available:	5, 10, 20, 50 test/package.
- Language used on package:	English/Italian
- Instruction language:	English
- Manufacturer:	AGROLABO S.p.A.
- Manufacturer address:	Via Masero snc 10010 Scarmagno (TO) Italy Tel.: 0039 0125 731111 Fax: 0039 0125 731190 E-mail: agrolabo@agrolabo.it www.agrolabo.it
- Minimum order:	1 kit
- International Marketing Office:	Louise Judge BA (Hons)
- European marketing sales manager:	Marco Tumiati Ph.D.
- World marketing sales manager:	Paolo Poletti Ph.D.
- Price:	See European Price List

FIV IC

Technical Sheet

- N° of pathologies detected:	1 (Feline Immunodeficiency)
- N° device per pathology:	1 per each pathology
- Detection:	Antibody research
- Recombinant protein used:	P26 recombinant protein
- Storage condition:	18 - 25 °C
- Shelf life:	18 months
- Sample required:	Whole blood, plasma, serum of cat
- Total time to run the test:	15 minutes included time for results reading
- Kit contents:	One step test device, single packaged Disposable tips Dropper with dilution buffer 10 µl automatic pipette (optional) Tubes for dilution Instruction for use
- Package available:	5, 10, 20, 50 test/package.
- Language used on package:	English/Italian
- Instruction language:	English
- Manufacturer:	AGROLABO S.p.A.
- Manufacturer address:	Via Masero snc 10010 Scarmagno (TO) Italy Tel.: 0039 0125 731111 Fax: 0039 0125 731190 E-mail: agrolabo@agrolabo.it www.agrolabo.it
- Minimum order:	1 kit
- International Marketing Office:	Louise Judge BA (Hons)
- European marketing sales manager:	Marco Tumiati Ph.D.
- World marketing sales manager:	Paolo Poletti Ph.D.
- Price:	See European Price List

FPV IC

Introduction

The FPV IC test for the detection of antigen (Ag) to the Feline Panleucopenia Virus is based on the immunochromatographic technique developed by AGROLABO which characterises the entire line of IC tests. A monoclonal antibody (Mab) specific to the panleucopenia antigen is bound as capture reagent to the nitrocellulose membrane at window 2 of the device. Another monoclonal antibody (MabGOLD) in response to the panleucopenia antigen, but specific to a different epitope from the one recognized by the first Mab, is conjugated with colloidal gold and absorbed at window 1. The conjugate, reactivated when the sample is added, recognises the antigen and binds it to a site (epitope) which is different to the one recognized by the antibody bound on the membrane. In this way an Ag-MabGOLD complex is created. This complex migrates to window 2 where it interacts with the antibody bound on the membrane and thus forming a Mab-Ag-MabGOLD complex. The complex is immobilized on the membrane and subsequently a red line appears at window 2.

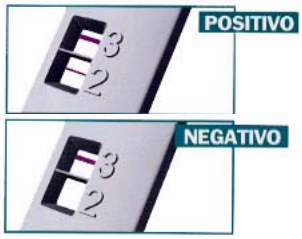
Test parameters

The FPV IC is a diagnostic test which detects antigen against feline Panleucopenia. This test is the result of 10 years of experience. FPV IC tests provide highly specific diagnosis, using colloidal gold conjugated with anti-FPV monoclonal antibodies. This "one step" assay allows for results to be obtained in only 5 minutes, with just one step.

Studies of the test's sensitivity show that the FPV IC test is able to detect antigen concentration as low as 15 ng/ml.

The characteristics of the test are the following:

- Sensitivity: 98.4%
- Specificity: 100%
- Reproducibility: 100%



Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

FPV IC

Technical Sheet

- N° of pathologies detected:	1 (Feline Panleucopenia)
- N° device per pathology:	1 per each pathology
- Detection:	Antigen research
- Monoclonal antibodies used:	Mab against specific antigen of feline Panleucopenia
- Storage condition:	18 - 25 °C
- Shelf life:	18 months
- Sample required:	Faeces of cat
- Total time to run the test:	15 minutes included time for results reading
- Kit contents:	One step test device, single packaged Disposable pipette Tube for faeces collection and dilution Instruction for use
- Package available:	5, 10 test/package.
- Language used on package:	English/Italian
- Instruction language:	English
- Manufacturer:	AGROLABO S.p.A.
- Manufacturer address:	Via Masero snc 10010 Scarmagno (TO) Italy Tel.: 0039 0125 731111 Fax: 0039 0125 731190 E-mail: agrolabo@agrolabo.it www.agrolabo.it
- Minimum order:	1 kit
- International Marketing Office:	Louise Judge BA (Hons)
- European marketing sales manager:	Marco Tumiati Ph.D.
- World marketing sales manager:	Paolo Poletti Ph.D.
- Price:	See European Price List

LYME IC

Introduction

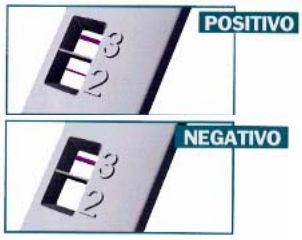
The LYME IC test is based on the immunochromatographic technique developed by AGROLABO which characterises the rapid IC test line. The test detects antibody to Borrelia burgdorferi in canine sera. A capture reagent is bound to the membrane in window 2 of the device. The reagent is a synthetic peptide of one of the major antigens of B. burgdorferi; the same antigen is conjugated with colloidal gold and is absorbed at window 1. In this way the Lyme IC test recognizes both IgG and IgM specific to B. burgdorferi and can be used for different species such as horses, bovine livestock and dogs. The sample is added in window 1 of the device and, if present, the anti-Lyme IgG or IgM reacts with the gold conjugated antigen. When the diluting agent is added in window 1 the sample flows and reaches window 2, where it interacts with the capture reagent: the specific antibodies bind both molecules of the antigen and create a red line in window 2.

Test parameters

The evaluation of the test's reliability and validity was completed through different specificity, sensitivity and correlation studies. Data on the studies (available by AGROLABO Research Center or on www.agrolabo.it) is indicated here below:

- Comparative study between Lyme IC and IFT test on 105 samples from dogs
- Comparative study between Lyme IC and IFT test on 20 samples from dogs. In this study sensitivity of IC test was compared with the antibody titre of samples, between 1:8 and 1:1024. Negative samples have a titre between 1:8 and 1:32, positive samples between 1:256 and 1:1024, and doubtful samples are between 1:64 and 1:128.
- Comparative study between Lyme IC, IFT and ELISA on 18 samples from dogs. IFT was performed for both IgG and IgM detection.

All the studies show an high specificity and sensitivity level, above all if used in conjunction with an indirect immunofluorescence test (IFI).



Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

LYME IC

Technical Sheet

- N° of pathologies detected:	1 (Borrelia burgdorferi)
- N° device per pathology:	1 per each pathology
- Detection:	Antibody research (IgM plus IgG)
- Recombinant protein used:	New specific recombinant antigen able to detect IgM and IgG anti-Borrelia
- Storage condition:	18 - 25 °C
- Shelf life:	18 months
- Sample required:	Whole blood, plasma, serum of dog
- Total time to run the test:	15 minutes included time for results reading
- Kit contents:	One step test device, single packaged Disposable pipette Dropper with buffer diluent Instruction for use
- Package available:	5, 10 test/package.
- Language used on package:	English/Italian
- Instruction language:	English
- Manufacturer:	AGROLABO S.p.A.
- Manufacturer address:	Via Masero snc 10010 Scarmagno (TO) Italy Tel.: 0039 0125 731111 Fax: 0039 0125 731190 E-mail: agrolabo@agrolabo.it www.agrolabo.it
- Minimum order:	1 kit
- International Marketing Office:	Louise Judge BA (Hons)
- Marketing sales manager:	Marco Tumiati Ph.D.
- World marketing sales manager:	Paolo Poletti Ph.D.
- Price:	See European Price List

MINIPET

To meet the varied needs of our customers, and above all to optimize the use of the LEISHMANIA IC and FIV IC tests, a high quality micropipette can be purchased separately from Agrolabo. The prime quality ‘MiniPet’ micropipettes can be used with normal tips (0-200 µl) like those produced by Eppendorf and or Gilson.

Therefore, LEISHMANIA IC and FIV IC One Step test kits can be bought initially with the minipet included and then subsequently without as each kit includes interchangeable tips.

AGROLABO offers a 10 µl of volume MiniPet. Most importantly, the MiniPet provides as low as +/-3% accuracy and 2% precision at full stroke.

The MiniPet is available in several quantities from 1 micropipette per time.

Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

BLOOD GROUP DETERMINATION

As we move into the future we will continue to introduce new diagnostic tests for animal health. The first and unique rapid One Step test for blood group detection in cats and dogs.

Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

RAPIDVET H CANINE DEA 1.1

EASY AND FAST TO DEVELOP (2 minutes)
RESULTS READ VISUALLY

The internationally accepted canine blood group system is the DEA (Dog Erythrocyte Antigen). Among the 8 antigens identified on the surface of the canine erythrocytes, DEA 1.1 is the most antigenic, involved in transfusions and in neonatal isoerythrolysis. Dogs generally do not have significant levels of isoantibodies to incompatible blood groups: they generally tolerate well an initial incompatible transfusion, but it stimulates rapid production of antibodies. As a result the half life of the transfused cells is very short and a second incompatible transfusion causes a deadly reaction. It's very important to determine the blood type of the female and male dog, prior to mating, because the antibodies that are carried by the colostrum could result in neonatal isoerythrolysis in an incompatible newborn puppy. RAPIDVET-H allows DEA 1.1 positive or negative dogs to be identified quickly and precisely, minimizing the risk of an incompatible transfusion and neonatal isoerythrolysis.

Introduction. RapidVet-H (Canine 1.1) kit is based on an agglutination reaction that occurs when an erythrocyte, which contains a DEA 1.1 antigen on its cellular membrane, interacts with a monoclonal antibody specific to DEA 1.1 that is lyophilized on the card. The monoclonal antibody is reconstituted with the diluent and mixed with whole blood of the patient. All DEA 1.1 positive erythrocytes react with antiserum causing agglutination. Antiserum is completely inert with DEA 1.1 negative erythrocytes. Results can be read visually.

Attention: some patients may have a different erythrocyte auto-agglutination reaction. If the patient has this kind of reaction, typing is not possible. Centrifugation of the sample is required to collect the erythrocytes, which must then be re-suspended in saline solution before carrying out the test. RapidVet-H (Canine 1.1) is equipped with a well without reagents to be used for the detection of this kind of patient. The practice of carrying out transfusions has increased in the veterinary practice over the past years and thus the importance of blood group determination has become more important. Dogs generally do not have isoantibodies to incompatible blood groups, consequently they generally accept an initial incompatible transfusion. To evaluate potential future technical transfusion methods, veterinary surgeons should consider that antibodies develop in 5-7 days after an incompatible transfusion and determine clinic reactions after an incompatible transfusion. In addition, the development of antibodies caused by an incompatible blood group should also be considered when coupling female dogs. As the antibodies are already present in colostrum, a female with isoantibodies belonging to a determined blood group should not be coupled with male of this blood group, above all if the female will nurse the puppies. In fact puppies may develop isoerythrolysis and can suffer or die for hemolytic anemia. Eight specific antigens have been identified on the surface of canine erythrocytes. The internationally accepted blood group of dogs, DEA (Dog Erythrocyte Antigen), is based on these antigens. It characterises 8 blood groups, antigen DEA 1.1, DEA 1.2, DEA 3, DEA 4, DEA 5 DEA 6, DEA 7 e DEA 8.

DEA 1.1 e 1.2 are the most important in canine blood. They are both antigenic, but DEA 1.1 is the most important in transfusion. Even if each antigen of the blood group may stimulate isoantibody formation, DEA 1.1. has a high stimulating potential. In this way most of the clinical reactions caused by the transfusion of incompatible cells happens when positive blood DEA 1.1 is transfused in dogs with DEA 1.1 negative blood group. Significant clinic reactions to DEA 1.2 may also occur, but are less serious than those caused by DEA 1.1. DEA 7 may be involved in antigenic reactions, but it has a low agglutinant power and is a naturally present isoantibody, with a low clinical importance. The other antigenic groups do not give significant clinical reactions after blood transfusions. All blood used for transfusions should be group DEA 1.1 and DEA 1.2 negative. Some dogs from crossbreeding, such as Greyhounds, are particularly suitable as blood donors as they have a low frequency of DEA 1.1, DEA 1.2 and DEA 7 antigen. However, since it is unlikely that canine blood banks that certify blood groups will be created, transfusion techniques will not develop. 40% of the canine population is DEA 1.1.2.

The identification of a positive or negative DEA 1.1 dog at birth will make the choice for future transfusions and/or crossbreeding easier. A dog with DEA 1.1 positive group may receive blood of both types: DEA 1.1. positive and DEA 1.1 negative. A dog DEA 1.1 negative may just receive DEA 1.1 negative blood.

RapidVet-H (Canine 1.1) kits are used to detect canine blood groups and to classify of the animals DEA 1.1 positive or negative groups.

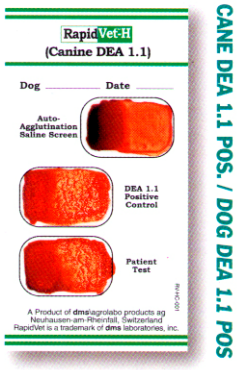
The tests. The RapidVet-H assay is based on the haemoagglutination reaction that occurs when an

erythrocyte which contains a DEA 1.1 antigen on its surface membrane interacts with a monoclonal antibody proven specific to DEA 1.1, which is lyophilised on the Test Card.

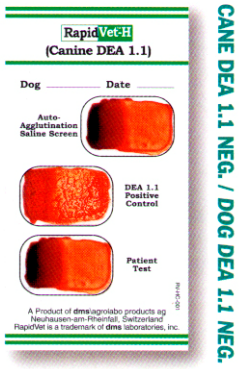
Interpretation of the results. Results – If the test has carried out correctly, visible large agglutination will be present in the well marked as ”DEA 1.1 Positive Control”. If agglutination is present in the well marked as “Auto-Agglutination Saline Screen” it will be difficult to get a clear result of this patient. If the patient sample has visible agglutination and there is no agglutination in the well “Auto-Agglutination Saline Screen”, the patient is DEA 1.1 positive. If agglutination is not visible, the patient is DEA 1.1 negative. Any fine granulation that may develop after 2 minutes should not be considered. Quickness of agglutination and dimension of aggregates in the cells of a DEA 1.1 patient may be different from those of the positive control. An animal may have more than one blood group: erythrocytes carry the antigens for each of these groups. An animal may carry less antigenic determinant than one carrying just the DEA 1.1 antigen. If the patient is very anemic, aggregate size may be such as small aggregations like pinheads, rather then large agglutination.

Scientific literature concerning the test:

1. International Journal Articles Discussing our Products:
2. Cloet-Chabre B, Medaille C: Groupes sanguins felins: application pratiques. Le Point Veterinaire, Vol. 29 Nbr. 188, janvier - fevrier (1988), p. 63-67.
3. Kohn B, Niggemeier A, Reitemeyer S, Giger U: Blutgruppenbestimmung bei der Katze mit Hilfe einer neuen Testkartenmethode. Kleintierpraxis 42. Heft 12 (1997), Seiten 941-950.
4. Kohn B, Reitemeyer S, Giger U: Bestimmung der Blutgruppe DEA 1.1 und deren Bedeutung beim Hund. Kleintierpraxis 43, Heft 2 (1998), Seiten 77-86.
5. Knottenbelt C, Mackin A: Blood transfusions in the dog and cat. In Practice, Vol. 20, Nbr. 3, March (1998), p. 110-114.
6. Lubas G: Trasfusione del sangue in clinica canina. Obiettivi & Documenti Veterinari, N.3, (1997), Supplemento, p. 15-25.
7. Jacomet L, Montoro A, Rivero M, Giger U: Frecuencia de los distintos grupos sanguineos en gatos de Buenos Aires, Argentina. Revista de Medicina Veterinaria, Vol. 78, Nbr. 6 (1997), p. 428-431.



CANE DEA 1.1 POS. / DOG DEA 1.1 POS



CANE DEA 1.1 NEG. / DOG DEA 1.1 NEG.

agrolabo
Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

RapidVet H CANINE DEA 1.1

Technical Sheet

- Blood group detected:	DEA 1.1 POS, DEA 1.1 NEG
- Species:	Dog
- Detection method:	Agglutination
- Reagent used:	Monoclonal antibody
- Storage condition:	+ 4 °C
- Shelf life:	8 months
- Sample required:	Whole blood
- Total time to run the test:	3 minutes included time for results reading
- Kit contents:	One step test card, single packaged Control Dropper with buffer diluent Instruction for use
- Package available:	5, 20 test/package. Other packaging are available on request, but minimum purchase is required.
- Language used on package:	English
- Instruction language:	English
- Manufacturer:	AGROLABO S.p.A.
- Manufacturer address:	Via Masero snc 10010 Scarmagno (TO) Italy Tel.: 0039 0125 731111 Fax: 0039 0125 731190 E-mail: agrolabo@agrolabo.it www.agrolabo.it
- Minimum order:	1 kit
- International Marketing Office:	Louise Judge BA (Hons)
- Marketing sales manager:	Marco Tumiati Ph.D.
- World marketing sales manager:	Paolo Poletti Ph.D.
- Price:	See European Price List

RAPIDVET H FELINE

EASY AND FAST TO DEVELOP (2 minutes)
RESULTS READ VISUALLY

Introduction

Rapid-Vet-H (Feline) kit is based on an agglutination reaction that occurs when an erythrocyte which contains A, B o AB antigens on its cellular membrane interacts with lyophilized antiserum specific for the particular antigen.

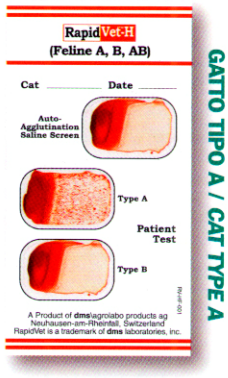
Type B cats have high specific antibody titer of type A blood. Rapid-Vet-H (Feline) kit use these antibodies to recognize type A blood. The antibody molecule links and agglutinates the specific antigen of type A blood.

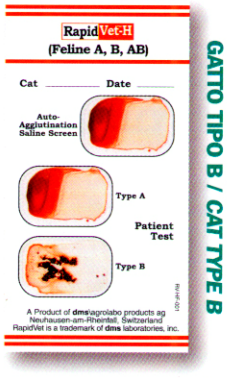
Type A cats have low antibody titer of type B blood. The antiserum from type A cats cannot be used to develop a test sensitive to type B blood. Type B erythrocytes are characterized by Neu Ac2 G D3 form of neuraminic acid present in ganglioside and Neu Gc, present in type A erythrocytes, are not present. The specific link of this form with Lectin, Triticum Vulgaris is well known. The Rapid-Vet-H (Feline) kit uses lectin Triticum Vulgaris to show the presence of type B blood.

In both cases, antiserum lyophilized on the card are reconstituted and mixed with whole blood from the patient. All type A erythrocytes react with their specific antiserum causing agglutination: all type B erythrocytes react in a similar way; all type AB erythrocytes reacts with both antiserum and agglutination will occur in any case. Results may be visually read.

Interpretation of the results

If the test has been made properly, visible large agglutinations will be present at least in one of the wells identified as “Patient Test”. If the sample agglutinates in the “Type A” well, the cat has group A blood. If the sample agglutinates in the “Type B” well, the cat has group B blood. If the sample agglutinates in both of the wells, the cat has an AB blood group. Any fine granulation which may develop after 2 minutes should not be considered. Agglutination in B is different from the one in type A. Type B agglutination is like a small number of large clumps. Type A agglutination is like a large number of small granulations. If the patient is anemic and belongs to group A, there will probably be an insufficient number of red cells to get a significant. If the patient has a low erythrocyte volume, it may be useful to perform the test without adding the dilution agent into the wells for the sample.





RapidVet H is a product of Dms/Agrolabo products ag
8213 Neuhausen-am-Rheinfall, Switzerland
RapidVet is a trademark og dms laboratorues, inc.
Manufactured under license from Kansas State University
And from Fms/Agrolabo products ag

RapidVet H FELINE

Technical Sheet

- Blood group detected:	A, B, AB
- Species:	Cat
- Detection method:	Agglutination
- Reagent used:	Monoclonal antibody
- Storage condition:	+ 4 °C
- Shelf life:	18 months
- Sample required:	Whole blood
- Total time to run the test:	3 minutes included time for results reading
- Kit contents:	One step test card, single packaged Dropper with buffer diluent Instruction for use
- Package available:	5, 20 test/package. Other packaging are available on request, but minimum purchase is required.
- Language used on package:	English
- Instruction language:	English
- Manufacturer:	AGROLABO S.p.A.
- Manufacturer address:	Via Masero snc 10010 Scarmagno (TO) Italy Tel.: 0039 0125 731111 Fax: 0039 0125 731190 E-mail: agrolabo@agrolabo.it www.agrolabo.it
- Minimum order:	1 kit
- International Marketing Office:	Louise Judge BA (Hons)
- Marketing sales manager:	Marco Tumiati Ph.D.
- World marketing sales manager:	Paolo Poletti Ph.D.
- Price:	See European Price List

MICROBIOLOGICAL Test LINE for DOGS and CATS

DERMAKIT is the world's leading microbiology product for easy and rapid dermathophyte detection in cats, dogs and horses.
Its extreme stability, 3 year shelf life and storage at room temperature are the results of manufacturing with the newest technologies. In fact the product's excellence is guaranteed by the excellent quality of raw materials used and the high degree of quality control procedures.

M. gypseum

Contaminant Penicillium sp

agrolabo
Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

DERMAKIT

Introduction

For a rapid isolation and identification of dermatophytes, Taplin and Co. developed the culture medium, DTM (Dermatophyte Test Medium).

In order to directly apply this method on samples taken in the surgery or in the field, AGROLABO has developed an easy to perform kit, that provides a specific diagnosis in a few days: DSM (Dermatophyte Selective Medium). DSM, based on the original formula of Taplin and Co., has been developed in order to reduced the amount of time required to obtain results and increase the products shelf life (from 3 to 36 months). It is also more specific and thus avoids more common contamination. The new DSM formula allows for incubation at room temperature, which is not possible with all other media developed on the DTM formula. The main characteristics of the test are:

- Specific nutrients which facilitate the growth of dermatophytes
- Selective antibiotics which prevent the growth of non pathogenic saprophytic mycetes and bacteria, protecting medium from contamination.
- Colour pH indicator which immediately shows the presence of dermatophytes by a colour change to red, because Microsporum, Trichophyton and Epidermophyton produce alkaline metabolites.

Type: Dermatophyte
Change in colour: Yes (to red)
Habitat: Geophilic
Localization: Ectothrix
Hair fluorescence: NO
Cattle: Reported
Dog: Common
Cat: Occasional
Horse: Common
Ovine: --
Swine: Reported
Humans: Occasional
Colonial morphology: Powdery colonies, leather-like surface, yellow-brown center with cinnamon fringed margins.
Microscopic morphology: Abundant spindle shaped macroconidia with 4-6 septa. Rare or absent microconidia.

Interpretation of results

- In most cases within 24-72 hours in presence of dermatophytes the medium's colour changes to red. Possible bacteria or saprophytes fungi contamination does not produce colour change.
- Colour change is determined by the fact that dermatophytes, when present in the DERMAKIT medium, immediately use proteins (while saprophytes use carbohydrates) determining a rapid alkalization of the medium and consequently the colour changes to red.
- Colour change is visible before colony identification. Only after exhausting carbohydrates, saprophytes can use proteins, but red colour of the medium will occur tardily.
- The result is negative when medium colour does not change from yellow to red within 14 days.
- A macroscopic appearance of colonies, together with their colour, allows for differentiation at a glance. In SAMPLE RESULTS, in the menu on the left of the video the characteristics of most frequent dermatophytes are described. A description of the appearance of colonies is also given, and are shown in some images of colonies developed on DERMAKIT.
- Dermatophytes' colonies are whitish or yellowish, while those of saprophytes are brown, greyish, black or green. For a correct identification it is necessary to transplant colonies on a Sabouraud medium.

Scientific literature concerning the test:

1. Bollo E., Pregel P. , Allione A., Canale L. (2000): "Tecniche diagnostiche innovative per le dermatofitosi animali: caratterizzazione degli antigeni di M. canis, ELISA e immunocromatografia" Atti del 40° Congresso Nazionale della Società Culturale Italiana Veterinari Animali da Compagnia, Montecatini Terme (PT), 30.3.-2.4.2000, p. 137.
2. Medleau L. (1990) Case management workshop: What caused this dog's intense pruritus? Vet. Med. 85, 596
3. Medleau L., Ristic Z. (1992). Diagnosis dermatophytosis in dogs and cats. Vet. Med. 1086
4. O'Dair H. (1992). Differential diagnosis of pruritus. In. Pract. 14 185
5. Breuer, Strosberg R. (1993) Nochucishaufigheist von Dermatophyten bei Katren und Hunden in Osterreich Dtsch.Tierazzll.Wschz.,1 00,461
6. Gallo M.G. e lsaia M.C. (1993) Ruolo degli animali nella diffusione e trasmissione di alcune micosi di interesse medico. Il Prog. Vet., 48,551

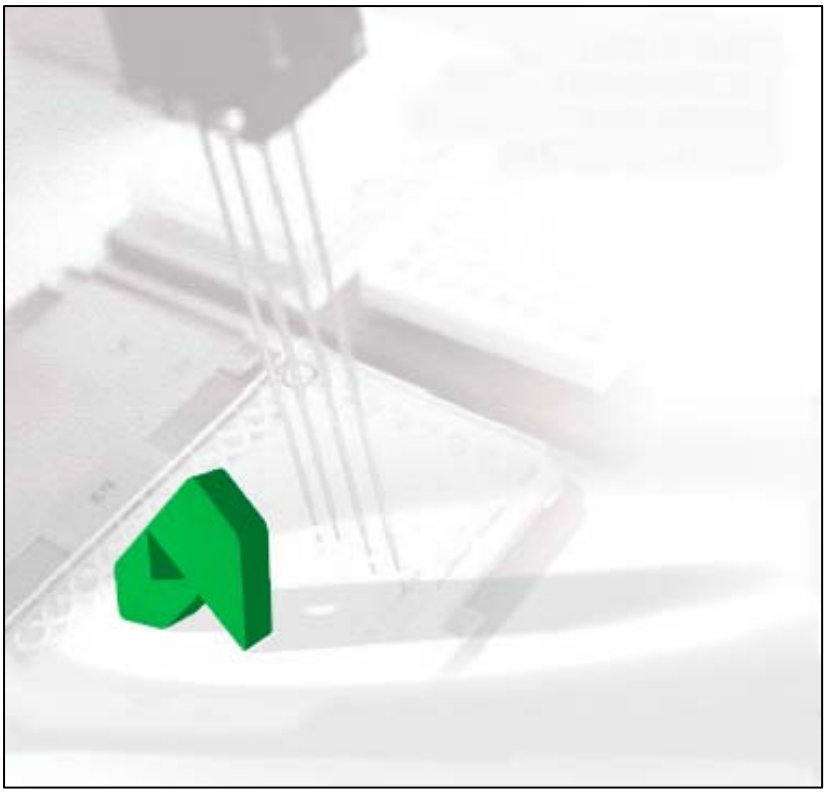
DERMAKIT

Technical Sheet

- N° of pathologies detected:	1 (Dermatophytosis)
- N° vial per pathology:	1 per each pathology
- Detection:	Dermatophytes, culture on specific medium
- Results:	Presence of dermatophytes metabolites is detect from a specific colour marker that induce a color change in the medium
- Storage condition:	Room temperature
- Shelf life:	36 months
- Sample required:	Hair
- Total time to run the test:	3 minutes. Results are ready after 24-72 hour.
- Incubation:	At room temperature
- Protection:	The medium is protected from several contamination with a large spectrum antibiotics present inside of the medium
- Kit contents:	Glasses vial with special medium. Work station. Labels. Instruction to use.
- Package available:	10 or 25 vials.
- Language used on package:	English
- Instruction language:	English
- Manufacturer:	AGROLABO S.p.A.
- Manufacturer address:	Via Masero snc 10010 Scarmagno (TO) Italy Tel.: 0039 0125 731111 Fax: 0039 0125 731190 E-mail: agrolabo@agrolabo.it www.agrolabo.it
- Minimum order:	1 kit
- International Marketing Office:	Louise Judge BA (Hons)
- Marketing sales manager:	Marco Tumiati Ph.D.
- World marketing sales manager:	Paolo Poletti Ph.D.
- Price:	See European Price List

ELISA Test LINE for DOGS

Medical diagnosis has always been an attractive field due to the extensive market potential for new clinical immunoassay kits. Each individual that is liable to suffer from a particular clinical condition, can be regarded as a potential customer.



Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

PARVOVIRUS Ab

TECHNICAL CHARACTERISTICS
ELISA test for DOGS

Code:	27224064
Application:	ELISA kit for the serodiagnosis of PARVOVIRUS (CPV) in dogs
Test method:	Indirect ELISA, detection of Ab against CPV
Composition:	96 tests (96 wells)
Sample:	Dog serum
Positive control:	Reference value, to be included in each analysis
Results:	O.D. value, microplate reader 405 nm filter
Interpretation:	Using the positive control value, the cut off point value is calculated

TEST DESCRIPTION

INTRODUCTION
Canine Parvovirus is one of the major new pathogen in dogs which has caused a world-wide pandemic.
Infection with Canine Parvovirus appears with very different clinical signs from generalised neonatal infections to enteritis, cerebral hypoplasia, miocardia, etc.
While vaccination with either the attenuated live-virus or inactivated vaccines is effective, considerable problems are encountered in devising effective vaccination schedules because of the variable levels of maternal antibodies transferred to pups.

PRINCIPLE OF THE TEST
This kit is based on an indirect enzymatic immunoassay (Indirect ELISA). A brief description of the technique follows:
The antigen is fixed on a solid support (polystyrene plate). When a serum sample contains specific antibodies against the virus, they will bind to the antigen adsorbed on plate. After washing to eliminate all non fixed material from the sera sample, the presence of dog immunoglobulin can be detected using a specific peroxidase conjugate. After the addition of the substrate, a colorimetric reaction will appear which can be measured by a spectrophotometer.
In this way, the presence of colour indicates the presence of antibodies against the virus in the dog sera, and the absence of colour shows the absence of specific antibodies.
The aim of this kit is to provide to users with a reliable and automatic diagnostic technique for this disease.
It is important to remark that our kit uses antigen obtained by the expression of the viral proteins in baculovirus growth in insect cell cultures. This method warranties the total absence of infectivity in the kit.

Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

PARVO Ab ELISA

Technical Sheet

- N° of pathologies detected:	1 CPV (Canine Parvovirus Virus)
- N° wells/kit:	2x96 = 2x(8x12)
- Detection:	Antibody IgG research
- Antigen used:	A specific antigen against canine parvo virus
- Storage condition:	+ 4 °C
- Shelf life:	12 months
- Sample required:	Serum of dog
- Total time to run the test:	30-45 minutes
- Kit contents:	2 Divisible microtitration strip plate (8x12 wells) coated with a CPV recombinant protein. 1 vial with positive control serum ready to use 1 vial with negative control serum ready to use. 1 vial with peroxidase conjugate (anti-canine IgG) concentrated 100x 2 bottles with serum and conjugate diluent 1 bottle with substrate buffer 1 bottle containing stop solution 1 bottle f washing solution, concentrated 10x 1 bottle with substrate ABTS Instruction to use (available in several languages)
- Package available:	2 plate of 96 wells.
- Language used on package:	English
- Instruction language:	English
- Manufacturer:	AGROLABO S.p.A.
- Manufacturer address:	Via Masero snc 10010 Scarmagno (TO) Italy Tel.: 0039 0125 731111 Fax: 0039 0125 731190 E-mail: agrolabo@agrolabo.it Www.agrolabo.it
- Minimum order:	1 kit
- International Marketing Office:	Louise Judge BA (Hons)
- Marketing sales manager:	Marco Tumiati Ph.D.
- World marketing sales manager:	Paolo Poletti Ph.D.
- Price:	See European Price List

PARVO Ag

TECHNICAL CHARACTERISTICS
ELISA test for DOGS

Code:	27224032
Application:	ELISA kit for the detection of PARVOVIRUS (CPV) in dog faeces
Test method:	ELISA double antibody sandwich enzyme immunoassay
Composition:	96 tests (96 wells)
Sample:	Dog serum
Positive control:	Reference value, to be included in each analysis
Results:	O.D. value, microplate reader 405 nm filter
Interpretation:	Using the positive control value, the cut off points values is calculated

TEST DESCRIPTION

INTRODUCTION

Canine Parvovirus (CPV) is one of the major new pathogen of dogs which has caused a world-wide pandemic.
Infection with Canine Parvovirus appears with very different clinical sings from generalized neonatal infections to enteritis, cerebral hypoplasia, miocardia, etc.
While vaccination with either an attenuated live-virus or inactivated vaccines is effective, considerable problems are encountered in devising effective vaccination schedules because of the variable levels of maternal antibodies transferred to puppies.

PRINCIPLE OF THE TEST

The kit is based on a Double antibody sandwich enzyme immunoassay. This technique shows large advantages compared to other techniques used until now: more sensitivity, more specificity, faster to do and easily automatisable.
A description of the technical basis of the assay follows: a specific monoclonal antibody (Mab) against CPV is coated on a solid support (polystyrene plate). When a sample containing the viral antigen is added, the Mab captures the viral particles. After washing to remove all material not bound to the plate, a second specific Mab is added to CPV labelled with biotin (conjugated I). This Mab will bind to it, and after incubation with a second conjugate (streptavidin-peroxidas), the presence of this conjugate (conjugate II) can be demonstrated by adding a chromogenic substrate that in presence of the enzyme will produce a colorimetric reaction.
The use of these very specific and stable Mabs, warrants the objectivity, specificity, safety and accuracy of the assay.
The coating Mab as well as the conjugate Mab, are a mixture of very specific Mabs that allow the detection of any of the CPV strains described in Europe.

Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

- N° of pathologies detected:	1 CPV (Canine Parvovirus Virus)
- N° wells/kit:	96 = 1x(8x12)
- Detection:	Antigen research
- Antibodies used:	Double monoclonal antibodies specific for canine parvo virus
- Storage condition:	+ 4 °C
- Shelf life:	12 months
- Sample required:	Faeces of dog
- Total time to run the test:	30-45 minutes
- Kit contents:	1 bottle with "diluent I". This diluent is used for the sample dilution as well as diluent for the Conjugate I 1 bottle with "diluent II" to dilute the Conjugate II 1 bottle with substrate (ABTS) to dilute with substrate buffer 1 bottle with substrate buffer 1 bottle with stop solution (SDS).
- Package available:	2 plate of 96 wells.
- Language used on package:	English
- Instruction language:	English
- Manufacturer:	AGROLABO S.p.A.
- Manufacturer address:	Via Masero snc 10010 Scarmagno (TO) Italy Tel.: 0039 0125 731111 Fax: 0039 0125 731190 E-mail: agrolabo@agrolabo.it Www.agrolabo.it
- Minimum order:	1 kit
- International Marketing Office:	Louise Judge BA (Hons)
- Marketing sales manager:	Marco Tumiati Ph.D.
- World marketing sales manager:	Paolo Poletti Ph.D.
- Price:	See European Price List

DISTEMPER IgG

TECHNICAL CHARACTERISTICS
ELISA test for DOGS

Code:	27279052
Application:	ELISA kit for the serodiagnosis of DISTEMPER in dogs
Test method:	Indirect ELISA, detection of Ab (IgG) against Distemper
Composition:	96 tests (96 wells)
Sample:	Dog serum
Positive control:	Reference value, to be included in each analysis
Results:	O.D. value, microplate reader 450 nm filter
Interpretation:	Using the positive control value, the cut off point value is calculated

TEST DESCRIPTION

INTRODUCTION

The Distemper disease is a systemic pathology that occurs in dogs and other wild canines. Its etiological agent is the canine distemper virus (CDV), a morbillivirus of the Paramyxoviridae Family. The disease is transmitted through direct contact, inhalation or through the placenta. It is eliminated in excretions and secretions during the acute period.
The virus billets itself in the nervous system, eyes, skin and lungs.
The symptomatology is variable, showing:

- digestive
- respiratory
- nervous
- skin
- and ocular alterations.

The mortality could be near 50 % (young and non vaccinated animals).
The diagnosis is based on the animal's history, symptoms and laboratory proofs. One of them is the detection of antibodies.

PRINCIPLE OF THE TEST

This kit is based on an indirect enzymatic immunoassay (Indirect ELISA). A brief description of the technique follows below:
An antigen is fixed on a solid support (polystyrene plate). When a serum sample contains specific antibodies against the virus, they will bind to the antigen adsorbed on plate. After washing to eliminate all non fixed material from the sera sample, the presence of dog immunoglobulin can be detected using a specific peroxidase conjugate. Following the addition of the substrate, a colorimetric reaction will appear which can be measured by a spectrophotometer.
In this way, the presence of colour demonstrates the presence of antibodies against the virus in the dog sera, and the absence of colour shows the absence of specific antibodies.
The aim of this kit is to provide users with a reliable diagnostic technique for this disease.

DISTEMPER IgG ELISA

Technical Sheet

- N° of pathologies detected:	1 (Canine Distemper Virus)
- N° wells per kit:	96 = 1x(8x12)
- Detection:	Antibody IgG research
- Antigen used:	A specific antigen against canine distemper virus
- Storage condition:	+ 4 °C
- Shelf life:	12 months
- Sample required:	Serum of dog
- Total time to run the test:	30 minutes
- Kit contents:	1 Divisible microtitration strip plate (8x12 wells) coated with a CDV recombinant protein. 1 vial with positive control serum ready to use 1 vial with negative control serum ready to use. 1 vial with 12 ml of peroxidase conjugate (anti-canine IgG) ready to use 1 bottle with 10x concentrated washing solution 1 bottle with substrate 1 bottle containing stop solution 1 bottle with diluent ready to use Instruction to use
- Package available:	1 plate of 96 wells.
- Language used on package:	English
- Instruction language:	English
- Manufacturer:	AGROLABO S.p.A.
- Manufacturer address:	Via Masero snc 10010 Scarmagno (TO) Italy Tel.: 0039 0125 731111 Fax: 0039 0125 731190 E-mail: agrolabo@agrolabo.it www.agrolabo.it
- Minimum order:	1 kit
- International Marketing Office:	Louise Judge BA (Hons)
- Marketing sales manager:	Marco Tumiati Ph.D.
- World marketing sales manager:	Paolo Poletti Ph.D.
- Price:	See European Price List

DISTEMPER IgM

TECHNICAL CHARACTERISTICS
ELISA test for DOGS

Code:	27279062
Application:	ELISA kit for the serodiagnosis of DISTEMPER in dogs
Test method:	Capture Enzymatic Immunoassay ELISA, detection of Ab (IgM) against Distemper (with monoclonal antibody)
Composition:	96 tests (96 wells)
Sample:	Dog serum
Positive control:	Reference value, to be included in each analysis
Results:	O.D. value, microplate reader 450 nm filter
Interpretation:	Using the positive control value, the cut off points values is calculated

TEST DESCRIPTION

INTRODUCTION
The Distemper disease is a systemic pathology that occurs in dogs and other wild canines. Its etiological agent is a morbillivirus (Paramyxoviridae Family) called Canine Distemper Virus (CDV). The disease is transmitted through direct contact, inhalation and through the placenta. It is eliminated in excretions and secretions during the acute period.
The virus billets itself in the nervous system, eyes, skin and lungs.
The symptomatology is variable, showing:
- digestive
- respiratory
- nervous
- skin
- and ocular alterations.

The mortality could be near 50 % (young and non vaccinated animals).
The diagnosis is based on the animal's history, symptoms and laboratory proofs. One of them is the detection of antibodies.

PRINCIPLE OF THE TEST
This kit is based on a capture enzymatic immunoassay. A brief description of the technique follows below:
A Monoclonal antibody (Mab) specific for dog IgM is fixed on a solid support (polystyrene plate). When dog serum is added, the IgM's present in the sample are captured by the Mab adsorbed on the plate. After washing to eliminate all non fixed material from the serum sample, the viral antigen (recombinant nucleocapsid) is added and is captured by the IgM if the dog serum sample contains specific immunoglobulin M to CDV. After additional washing a peroxidase-conjugated Mab specific to CDV nucleocapsid protein is added. After washing and the addition of the substrate, a colorimetric reaction will develop.
In this way, the presence of colour shows the presence of antibodies IgM against the virus in the dog sera, and the absence of colour means that there are no specific antibodies present.
The aim of this kit is to provide users with a reliable diagnostic technique for this disease.

DISTEMPER IgM ELISA

Technical Sheet

- N° of pathologies detected:	1 (Canine Distemper Virus)
- N° wells per kit:	96 = 1x(8x12)
- Detection:	Antibody IgM research
- Recombinant protein used:	A specific antigen against canine distemper virus
- Storage condition:	+ 4 °C
- Shelf life:	12 months
- Sample required:	Serum of dog
- Total time to run the test:	30 minutes
- Kit contents:	1 Divisible microtitration strip Plates (8x12 wells) coated with a dog IgM-specific Mab. 1 Positive control serum ready to use 1 Negative control serum ready to use 1 vial with peroxidase conjugate 100x concentrated 1 vial with recombinant viral antigen 10x concentrated 1 bottle with 10x concentrated washing solution 1 bottle with TMB substrate 1 bottle containing stop solution 1 bottle with diluent ready to use Instruction to use
- Package available:	1 plate of 96 wells.
- Language used on package:	English
- Instruction language:	English
- Manufacturer:	AGROLABO S.p.A.
- Manufacturer address:	Via Masero snc 10010 Scarmagno (TO) Italy Tel.: 0039 0125 731111 Fax: 0039 0125 731190 E-mail: agrolabo@agrolabo.it www.agrolabo.it
- Minimum order:	1 kit
- International Marketing Office:	Louise Judge BA (Hons)
- Marketing sales manager:	Marco Tumiati Ph.D.
- World marketing sales manager:	Paolo Poletti Ph.D.
- Price:	See European Price List

LEISHMANIA Ab

TECHNICAL CHARACTERISTICS
ELISA test for DOGS

Code:	27270101
Application:	ELISA kit for the serodiagnosis of LEISHMANIA INFANTUM in dogs
Test method:	Enzyme-linked immunoassay for the detection of antibody against Leishmania in dog serum
Composition:	96 tests (96 wells)
Sample:	Dog serum
Positive control:	Reference value, to be included in each analysis
Results:	O.D. value, microplate reader 450 nm filter
Interpretation:	Using the positive control value, the cut off point value is calculated

TEST DESCRIPTION

INTRODUCTION
Leishmaniasis is caused by the vector-borne protozoan parasite, Leishmania. The disease, with few exceptions, is mainly zoonosis. Canine leishmaniasis is a chronic viscera-cutaneous disease caused by L. infantum. or L. donovani. Various forms of clinical manifestations of human leishmaniasis have been described. In the Mediterranean area Leishmaniasis is an endemic disease. The vectors of leishmaniases are phlebotomine sandflies belonging to the genera Lutzomyia (New World) and Phlebotomus (Old World). The reservoirs of this parasite are dogs, foxes, rats and humans. In humans the symptoms are anaemia and high fever; in dogs characteristic signs are: eczema, dander, hair loss around eyes, noise ulceration and abnormal growth of nails. In dogs leishmaniasis is a serious pathology but is possible to recognise it at an early stage through the detection of antibody against Leishmania in serum.
Leishmania 96 is an enzyme-linked immunoassay for the detection of antibody to Leishmania in dog serum.

PRINCIPLE OF THE TEST
The plastic wells are coated with the Leishmania antigen; canine serum is added inside the well. Antibodies against Leishmania, if present in the dog sample, bind to the well (Ag/Ab complex). After washing, in the second phase, the anti-canine IgG (Ab*) conjugated with the enzyme horseradish peroxidase is added forming the Ag/Ab complex (Ag/Ab/Ab*). Following a second washing, a chromogenic enzyme substrate is added. The development of a blue colour indicates the presence of antibody to Leishmania. The results can be read with a plate reader at 650 nm with addition of stop solution.

LEISHMANIA ELISA Ab

Technical Sheet

- N° of pathologies detected:	1 (Leishmania infantum)
- N° wells per kit:	96 = 1x(8x12) 36 = 1x(3x12)
- Detection:	Antibody research
- Antigen used:	Specific antigen for Leishmania infantum
- Storage condition:	+ 4 °C
- Shelf life:	12 months
- Sample required:	Serum of dog
- Total time to run the test:	30 minutes
- Kit contents:	1 Divisible microtitration strip plate Leishmania antigen coated plates 1 vial with positive control, ready to use 1 vial with negative control, ready to use 1 vial with peroxidase conjugate 100x concentrate 1 bottle with 10x concentrated washing solution 1 bottle with substrate TMB 1 bottle containing stop solution 1 bottle with serum and conjugate diluent
- Package available:	1 plate of 96 wells.
- Language used on package:	English
- Instruction language:	English
- Manufacturer:	AGROLABO S.p.A.
- Manufacturer address:	Via Masero snc 10010 Scarmagno (TO) Italy Tel.: 0039 0125 731111 Fax: 0039 0125 731190 E-mail: agrolabo@agrolabo.it www.agrolabo.it
- Minimum order:	1 kit
- International Marketing Office:	Louise Judge BA (Hons)
- Marketing sales manager:	Marco Tumiati Ph.D.
- World marketing sales manager:	Paolo Poletti Ph.D.
- Price:	See European Price List

HEARTWORM Ag

TECHNICAL CHARACTERISTICS
ELISA test for DOGS

Code:	27236396
Application:	ELISA kit for the serodiagnosis of DIROFILARIA IMMITIS in dogs
Test method:	Double antibody sandwich enzymatic immunoassay
Composition:	48 or 96 tests (48 or 96 wells)
Sample:	Dog serum or plasma
Positive control:	Reference value, to be included in each analysis
Negative control:	Reference value, to be included in each analysis
Result:	Can be read both visually and at 450 nm

TEST DESCRIPTION

INTRODUCTION
Heartworm disease is a serious and potentially fatal condition caused by parasitic worms living in the arteries of the lungs and in the right side of the heart of dogs, cats and other species of mammals, including wolves, foxes, ferrets, sea lions and (in rare instances) humans. Heartworms are classified as nematodes (roundworms) and are one of many species of roundworms. The specific roundworm causing heartworm in dogs and cats is known as Dirofilaria immitis.

PRINCIPLE OF THE TEST
The second generation HEARTWORM ELISA TEST, for the detection of cuticular antigen (Ag) (glycoprotein) of Dirofilaria immitis is based on sandwich ELISA technique developed by AGROLABO. A first monoclonal antibody (Mab) directed against the antigen is bound to the cells as a capture reagent. A second monoclonal antibody (MabGOLD), directed against Dirofilaria immitis antigen, but specific to a different epitope, is conjugated with peroxidase. The conjugate reactivated after the addition of the sample, recognizes the cuticular antigen and binds it to a site (epitope) different to the one recognised by the second antibody.

Generazione 2 FilarCHECK
BIOPRONIX
A Division of the AGROLABO group

Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

HEARTWORM ELISA

Technical Sheet

- N° of pathologies detected:	1 (Dirofilaria immitis)
- N° wells per kit:	48 = 1x(4x12) 96 = 1x(8x12)
- Detection:	Antigen research, specific cuticolar glycoprotein of Dirofilaria immitis
- Monoclonal antibody used:	Mab, specific against cuticolar glycoprotein of Dirofilaria immitis
- Storage condition:	+ 4 °C
- Shelf life:	12 months
- Sample required:	Serum of dog
- Total time to run the test:	20 minutes
- Kit contents:	1 Divisible microtitration strip plate Heartworm antibody coated plates 1 bottle with peroxidase conjugate, ready to use 1 vial with positive control, ready to use 1 vial with negative control, ready to use 1 bottle with 10x concentrated washing solution 1 bottle with substrate TMB 100 or 50 tips 1 automatic pipette Instruction to use
- Package available:	1 plate of 96 wells.
- Language used on package:	English
- Instruction language:	English
- Manufacturer:	AGROLABO S.p.A.
- Manufacturer address:	Via Masero snc 10010 Scarmagno (TO) Italy Tel.: 0039 0125 731111 Fax: 0039 0125 731190 E-mail: agrolabo@agrolabo.it www.agrolabo.it
- Minimum order:	1 kit
- International Marketing Office:	Louise Judge BA (Hons)
- Marketing sales manager:	Marco Tumiati Ph.D.
- World marketing sales manager:	Paolo Poletti Ph.D.
- Price:	See European Price List

CORONAVIRUS Ab

TECHNICAL CHARACTERISTICS
ELISA test for DOGS

Code:	2759001
Application:	ELISA kit for the serodiagnosis of CORONAVIRUS in dogs
Test method:	Indirect enzymatic immunoassay (Indirect ELISA)
Composition:	96 tests (96 wells)
Sample:	Dog serum or plasma
Positive control:	Reference value, to be included in each analysis
Negative control:	Reference value, to be included in each analysis
Result:	Can be read both visually and at 450 nm

TEST DESCRIPTION

INTRODUCTION
The canine Coronavirus is responsible for diarrhoeas of different importance in puppies during the first weeks of life.
Recent epidemiological studies carried out in our country, show high antibody levels in non vaccinated adult animals. These animals have no apparent clinical symptoms (just some immunodepression status and concomitant infections).
The determination of the level of antibodies, can be an important data for defining the etiological agent of the diarrhoea in puppies and obviously the prognosis and treatment.
The diagnostic techniques used presently are the antibodies level titration by ELISA and the detection of the virus in faeces (electronic microscopy).

PRINCIPLE OF THE TEST
This kit is based on an indirect enzymatic immunoassay (Indirect ELISA). A short description of the technique follows below:
The specific antigen is fixed on a solid support (polystyrene plate). When a serum sample contains specific antibodies against the virus, they will bind to the antigen adsorbed on plate. After washing to eliminate all non fixed material from the sera sample, the presence of dog immunoglobulin can be detected using a specific peroxidase conjugate. After the addition of the substrate a colorimetric reaction will appear which can be measured by a spectrophotometer.
In this way the presence of colour indicates the presence of antibodies against the virus in the dog sera, and the absence of colour indicates the absence of specific antibodies.
The aim of this kit is to provide users with a reliable and simple diagnostic technique for this disease.

Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

CORONAVIRUS Ab ELISA

Technical Sheet

- N° of pathologies detected:	1 (Canine Coronavirus)
- N° wells per kit:	96 = 1x(8x12)
- Detection:	Antibody detection
- Antigen used:	A specific antigen against Canine Coronavirus
- Storage condition:	+ 4 °C
- Shelf life:	12 months
- Sample required:	Serum of dog
- Total time to run the test:	30 minutes
- Kit contents:	2 divisible microtitration strip plate Canine Coronavirus antigen coated plates. 1 vial with lyophilised positive control 1 vial with lyophilised negative control 1vial with peroxidase conjugate 100x concentrated 1 bottle with 10X concentrated washing solution 1 bottle with substrate 1 bottle containing stop solution 1 bottle with 5x concentrated diluent Instruction to use
- Package available:	2 plate of 96 wells.
- Language used on package:	English
- Instruction language:	English
- Manufacturer:	AGROLABO S.p.A.
- Manufacturer address:	Via Masero snc 10010 Scarmagno (TO) Italy Tel.: 0039 0125 731111 Fax: 0039 0125 731190 E-mail: agrolabo@agrolabo.it www.agrolabo.it
- Minimum order:	1 kit
- International Marketing Office:	Louise Judge BA (Hons)
- Marketing sales manager:	Marco Tumiati Ph.D.
- World marketing sales manager:	Paolo Poletti Ph.D.
- Price:	See European Price List

BORRELIA AFZELII IgG

TECHNICAL CHARACTERISTICS
ELISA test for Borrelia afzelii canine IgG antibody detection.

Code 20 wells:	27276020
Code 96 wells:	27276096
Application:	ELISA kit for the serodiagnosis of Borrelia afzelii
Test method:	Indirect enzymatic immunoassay (Indirect ELISA)
Composition:	20 or 96 tests (20 or 96 wells)
Sample:	Dog serum or plasma
Positive control:	Reference value, to be included in each analysis
Negative control:	Reference value, to be included in each analysis
Result:	Can be read both visually and at 650 nm

TEST DESCRIPTION

INTENDED USE
The Borrelia afzelii IgG Antibody Kit is intended for the qualitative detection of canine IgG class serum antibody to Borrelia afzelii

PRINCIPLE OF THE TEST
Canine sera for testing are diluted to 1:100 and allowed to react with a blend of Borrelia afzelii antigens coated on specially treated micro-wells. After appropriate incubation, the wells are washed to remove unreacted serum proteins, and an enzyme-labeled anti dog IgG (conjugate) is then added to react with and tag the antigen antibody complexes. Following another incubation period, the wells are again washed to remove unreacted conjugate. A urea peroxide substrate with TMB as chromogen is added to start color development. Development of a blue color indicates a positive reaction while negative reactions appear colorless or with a trace of blue. The reaction is interrupted with a stop solution that turns the blue positive reactions to yellow. Negative reactions remain colorless or with a hint of yellow. Color intensity (absorbance) is read at a wavelength of 450nm on a spectrophotometer or ELISA reader. Alternatively, visual determinations can be made with the aid of the color chart provided.

Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

BORRELIA AFZELII ELISA

Technical Sheet

- N° of pathologies detected:	1 – Borrelia afzelii canine
- N° wells per kit:	20 or 96
- Detection:	Antibody research
- Storage condition:	+ 4 °C
- Shelf life:	12 months
- Sample required:	Serum of dog
- Total time to run the test:	30 minutes
- Kit contents:	– Borrelia afzelii ELISA microplates – 96-wells containing Borrelia afzelii antigens and packaged with desiccant. – Conjugate, 2 x 6mL- Brown cap – Affinity purified horseradish peroxidase (HRP) labeled rabbit anti dog IgG (heavy chain). Protect from light. – Positive Control, 1.0 mL - Red cap – Dog serum reactive with Borrelia afzelii. – Negative Control, 1.0 mL - White cap – Dog serum non-reactive to Borrelia afzelii. – Wash Buffer , 1 packet – Phosphate-buffered saline (PBS) with Tween 20, pH 7.4 and 0.05% Tween 20 when reconstituted to 1L with distilled water. – TMB Substrate, 2 x 6 mL - Blue cap – A solution containing urea peroxide and 3,3', 5,5'-tetramethylbenzidine (TMB). Protect from light. Non-carcinogenic. – Stop Solution, 2 x 6 mL - Yellow cap – Diluted phosphoric acid.
- Package available:	20 or 96 wells.
- Language used on package:	English
- Instruction language:	English
- Manufacturer:	AGROLABO S.p.A.
- Manufacturer address:	Via Masero snc 10010 Scarmagno (TO) Italy Tel.: 0039 0125 731111 Fax: 0039 0125 731190 E-mail: agrolabo@agrolabo.it www.agrolabo.it
- Minimum order:	1 kit
- International Marketing Office:	Louise Judge BA (Hons)
- Marketing sales manager:	Marco Tumiati Ph.D.
- World marketing sales manager:	Paolo Poletti Ph.D.
- Price:	See European Price List

BORRELIA BURGDORFERI

TECHNICAL CHARACTERISTICS
ELISA test for Borrelia burgdorferi in dog IgG antibody detection

Code 20 wells:	27276220
Code 96 wells:	27276296
Application:	ELISA kit for the serodiagnosis of Borrelia burgdorferi
Test method:	ELISA
Composition:	20 or 96 tests (20 or 96 wells)
Sample:	Dog serum or plasma
Positive control:	Reference value, to be included in each analysis
Negative control:	Reference value, to be included in each analysis
Result:	Can be read both visually and at 650 nm

TEST DESCRIPTION

INTENDED USE
The Borrelia burgdorferi IgG Antibody Kit is intended for the qualitative detection of canine IgG class serum antibody to Borrelia burgdorferi (sensu lato).

PRINCIPLE OF THE TEST
Canine sera for testing are diluted to 1:100 and allowed to react with a blend of Borrelia burgdorferi (sensu lato) antigens coated on specially treated micro-wells. After appropriate incubation, the wells are washed to remove unreacted serum proteins, and an enzyme-labeled anti dog IgG (conjugate) is then added to react with and tag the antigen antibody complexes. Following another incubation period, the wells are again washed to remove unreacted conjugate. A urea peroxide substrate with TMB as chromogen is added to start color development. Development of a blue color indicates a positive reaction while negative reactions appear colorless or with a trace of blue. The reaction is interrupted with a stop solution that turns the blue positive reactions to yellow. Negative reactions remain colorless or with a hint of yellow. Color intensity (absorbance) is read at a wavelength of 450nm on a spectrophotometer or ELISA reader. Alternatively, visual determinations can be made with the aid of the color chart provided.

BORRELIA BURGDORFERI ELISA

Technical Sheet

- N° of pathologies detected:	1 (Borrelia burdorferi)
- N° wells per kit:	20 or 96
- Detection:	Antibody research
- Storage condition:	+ 4 °C
- Shelf life:	12 months
- Sample required:	Serum of dog
- Total time to run the test:	30 minutes

- Kit contents:
  - Borrelia burgdorferi ELISA microplates
  - 96-wells containing Borrelia burgdorferi antigens and packaged with desiccant.
  - Conjugate, 2 x 6mL- Brown cap
  - Affinity purified horseradish peroxidase (HRP) labeled rabbit anti dog IgG (heavy chain). Protect from light.
  - Positive Control, 1.0 mL - Red cap
  - Dog serum reactive with Borrelia burgdorferi.
  - Negative Control, 1.0 mL - White cap
  - Dog serum non-reactive to Borrelia burgdorferi.
  - Wash Buffer , 1 packet
  - Phosphate-buffered saline (PBS) with Tween 20, pH 7.4 and 0.05% Tween 20 when reconstituted to 1L with distilled water.
  - TMB Substrate, 2 x 6 mL - Blue cap
  - A solution containing urea peroxide and 3,3', 5,5'-tetramethylbenzidine (TMB). Protect from light. Non-carcinogenic.
  - Stop Solution, 2 x 6 mL - Yellow cap
  - Diluted phosphoric acid.

- Package available:	20 or 96 wells
- Language used on package:	English
- Instruction language:	English
- Manufacturer:	AGROLABO S.p.A.
- Manufacturer address:	Via Masero snc 10010 Scarmagno (TO) Italy Tel.: 0039 0125 731111 Fax: 0039 0125 731190 E-mail: agrolabo@agrolabo.it www.agrolabo.it
- Minimum order:	1 kit
- International Marketing Office:	Louise Judge BA (Hons)
- Marketing sales manager:	Marco Tumiati Ph.D.
- World marketing sales manager:	Paolo Poletti Ph.D.
- Price:	See European Price List

EHRLICHIA CANIS

TECHNICAL CHARACTERISTICS
ELISA test for Ehrlichia canis IgG antibody detection

Code 20 wells:	27279220
Code 96 wells:	27279296
Application:	ELISA kit for the serodiagnosis of Ehrlichia canis
Test method:	ELISA
Composition:	20 or 96 tests
Sample:	Dog serum or plasma
Positive control:	Reference value, to be included in each analysis
Negative control:	Reference value, to be included in each analysis
Result:	Can be read both visually and at 650 nm

TEST DESCRIPTION

INTENDED USE
The Ehrlichia canis IgG Antibody Kit is intended for the detection and semi quantification of canine IgG class serum antibody to Ehrlichia canis.

PRINCIPLE OF THE TEST
Canine sera for testing are diluted to 1:100 and allowed to react with a blend of Ehrlichia canis antigens coated on the specially treated micro-wells. After appropriate incubation, the wells are washed to remove any unreacted serum proteins, and an enzyme-labeled anti dog IgG (conjugate) is then added to react with and tag the antigen antibody complexes. Following another incubation period, the wells are again washed to remove unreacted conjugate. A urea peroxide substrate with TMB as chromogen is added to start color reaction. Development of a blue color indicates a positive reaction while negative reactions appear colorless or with a trace of blue. The reaction is interrupted with a stop solution that turns the blue positive reactions to yellow. Negative reactions remain colorless or with a hint of yellow. Color intensity (absorbance) is read at a wavelength of 450nm on a spectrophotometer or ELISA reader. Alternatively, visual determinations can be made with the aid of the color chart provided.

EHRLICHIA CANIS ELISA

Technical Sheet

- N° of pathologies detected:	1 (Ehrlichia canis)
- N° wells per kit:	20 or 96
- Detection:	Antibody research
- Storage condition:	+ 4 °C
- Shelf life:	12 months
- Sample required:	Serum of dog
- Total time to run the test:	30 minutes

- Kit contents:
  - Ehrlichia canis ELISA microplates
  - 96-well plates containing a detergent extract of Ehrlichia canis and packaged with desiccant.
  - Conjugate, 2 x 6 mL- Green cap
  - Affinity purified horseradish peroxidase (HRP) labeled rabbit anti dog IgG (heavy chain). Protect from light.
  - Positive Control, 1,5 mL - Red cap
  - Dog serum reactive with Ehrlichia canis.
  - Negative Control, 1,5 mL - White cap
  - Dog serum non-reactive to Ehrlichia canis.
  - Wash Buffer , 1 packet
  - Phosphate-buffered saline (PBS) with Tween 20, pH 7.4 and 0.05% Tween 20 when reconstituted to 1L with distilled water.
  - TMB Substrate, 2 x 6 mL - Blue cap
  - A solution containing urea peroxide and 3,3', 5,5'-tetramethylbenzidine (TMB). Protect from light. Non-carcinogenic.
  - Stop Solution, 2 x 6 mL - Yellow cap
  - Diluted phosphoric acid.

- Package available:	20 or 96 wells.
- Language used on package:	English
- Instruction language:	English
- Manufacturer:	AGROLABO S.p.A.
- Manufacturer address:	Via Masero snc 10010 Scarmagno (TO) Italy Tel.: 0039 0125 731111 Fax: 0039 0125 731190 E-mail: agrolabo@agrolabo.it www.agrolabo.it
- Minimum order:	1 kit
- International Marketing Office:	Louise Judge BA (Hons)
- Marketing sales manager:	Marco Tumiati Ph.D.
- World marketing sales manager:	Paolo Poletti Ph.D.
- Price:	See European Price List

EHRLICHIA EQUI CANINE

TECHNICAL CHARACTERISTICS
ELISA test for Ehrlichia equi canine IgG antibody detection

Code 20 wells:	27279320
Code 96 wells:	27279396
Application:	ELISA kit for the serodiagnosis of Ehrlichia equi canine
Test method:	ELISA
Composition:	20 or 96 tests
Sample:	Dog serum or plasma
Positive control:	Reference value, to be included in each analysis
Negative control:	Reference value, to be included in each analysis
Result:	Can be read both visually and at 650 nm

TEST DESCRIPTION

INTENDED USE
The Ehrlichia equi IgG Antibody Kit is intended for the detection and semi quantification of canine IgG class serum antibody to Ehrlichia equi.

PRINCIPLE OF THE TEST
Canine sera for testing are diluted to 1:100 and allowed to react with antigens coated on specially treated micro-wells. After appropriate incubation, the wells are washed to remove unreacted serum proteins, and an enzyme-labeled anti dog IgG (conjugate) is then added to react with and tag the antigen antibody complexes. Following another incubation period, the wells are again washed to remove unreacted conjugate. A urea peroxide substrate with TMB as chromogen is added to start color development. The reaction is interrupted with a stop solution that turns the blue positive reactions to yellow. Negative reactions remain colorless or with a hint of yellow. Color intensity (absorbance) is read at a wavelength of 450nm on a spectrophotometer or ELISA reader. Visual determinations can also be made with the aid of the color chart provided in this insert.

EHRLICHIA EQUI CANINE ELISA

Technical Sheet

- N° of pathologies detected:	1 (Ehrlichia equi canine)
- N° wells per kit:	20 or 96 wells
- Detection:	Antibody research
- Storage condition:	+ 4 °C
- Shelf life:	12 months
- Sample required:	Serum of dog
- Total time to run the test:	30 minutes

- Kit contents:
  - Ehrlichia equi ELISA microplates
  - 96-well plates containing a detergent extract of Ehrlichia equi and packaged with desiccant.
  - Conjugate, 2 x 6 mL- Brown cap
  - Affinity purified horseradish peroxidase (HRP) labeled rabbit anti dog IgG (heavy chain). Protect from light.
  - Positive Control, 0.6 mL - Red cap
  - Dog serum reactive with Ehrlichia equi.
  - Negative Control, 0.6 mL - White cap
  - Dog serum non-reactive to Ehrlichia equi.
  - Wash Buffer , 1 packet
  - Phosphate-buffered saline (PBS) with Tween 20, pH 7.4 and 0.05% Tween 20 when reconstituted to 1L with distilled water.
  - TMB Substrate, 2 x 6 mL - Blue cap
  - A solution containing urea peroxide and 3,3', 5,5'-tetramethylbenzidine (TMB). Protect from light. Non-carcinogenic.
  - Stop Solution, 2 x 6 mL - Yellow cap
  - Diluted sulfuric acid.

- Package available:	20 or 96 wells.
- Language used on package:	English
- Instruction language:	English
- Manufacturer:	AGROLABO S.p.A.
- Manufacturer address:	Via Masero snc 10010 Scarmagno (TO) Italy Tel.: 0039 0125 731111 Fax: 0039 0125 731190 E-mail: agrolabo@agrolabo.it www.agrolabo.it
- Minimum order:	1 kit
- International Marketing Office:	Louise Judge BA (Hons)
- Marketing sales manager:	Marco Tumiati Ph.D.
- World marketing sales manager:	Paolo Poletti Ph.D.
- Price:	See European Price List

RICKETTSIA CONORI ELISA

TECHNICAL CHARACTERISTICS
ELISA test for Rickettsia conori canine IgG antibody detection

Code 20 wells:	27270520
Code 96 wells:	27270596
Application:	ELISA kit for the serodiagnosis of Rickettsia conori
Test method:	ELISA
Composition:	20 or 96 tests wells
Sample:	Dog serum or plasma
Positive control:	Reference value, to be included in each analysis
Negative control:	Reference value, to be included in each analysis
Result:	Can be read both visually and at 650 nm

TEST DESCRIPTION

INTENDED USE

The Rickettsia conori IgG Antibody Kit is intended for the qualitative detection of canine IgG class serum antibody to Rickettsia conori.

PRINCIPLE OF THE TEST

Canine sera for testing are diluted to 1:100 and allowed to react with Rickettsia conori antigens coated on specially treated micro-wells. After appropriate incubation, the wells are washed to remove unreacted serum proteins, and an enzyme-labeled anti dog IgG (conjugate) is then added to react with and tag the antigen antibody complexes. Following another incubation period, the wells are again washed to remove unreacted conjugate. A urea peroxide substrate with TMB as chromogen is added to start color development. Development of a blue color indicates a positive reaction while negative reactions appear colorless or with a trace of blue. The reaction is interrupted with a stop solution. Positive reactions remain a dark blue while negative reactions remain colorless or with a hint of blue. Color intensity (absorbance) is read at a wavelength of 450nm on a spectrophotometer or ELISA reader. Visual determinations can be made with the aid of the color chart provided in this insert.

Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

RICKETTSIA CONORI CANINE ELISA

Technical Sheet

- N° of pathologies detected:	1 (Rickettsia conori canine)
- N° wells per kit:	20 or 96 wells
- Detection:	Antibody research
- Storage condition:	+ 4 °C
- Shelf life:	12 months
- Sample required:	Serum of dog
- Total time to run the test:	30 minutes

- Kit contents:
  - Rickettsia conori ELISA microplates
  - 96-wells (12 strips) containing Rickettsia conori antigens and packaged with desiccant.
  - Conjugate, 2 x 6 ml – Brown cap
  - Affinity purified horseradish peroxidase (HRP) labeled rabbit anti dog IgG (heavy chain). Protect from light.
  - Positive Control, 1.0 mL - Red cap
  - Dog serum reactive with Rickettsia conori.
  - Negative Control, 1.0 mL - White cap
  - Dog serum non-reactive with Rickettsia conori.
  - Wash Buffer, 1 packet
  - Phosphate buffered saline (PBS) with Tween 20, pH 7.4 and 0.05% Tween 20 when reconstituted to 1L with distilled water
  - TMB Substrate, 2 x 6 mL - Blue cap
  - A solution containing urea peroxide and 3,3',5,5'-tetramethylbenzidine (TMB). Protect from light. Non-carcinogenic.
  - Stop Solution, 2 x 6 mL - Yellow cap
  - Diluted phosphoric acid.

- Package available:	20 or 96 wells.
- Language used on package:	English
- Instruction language:	English
- Manufacturer:	AGROLABO S.p.A.
- Manufacturer address:	Via Masero snc 10010 Scarmagno (TO) Italy Tel.: 0039 0125 731111 Fax: 0039 0125 731190 E-mail: agrolabo@agrolabo.it www.agrolabo.it
- Minimum order:	1 kit
- International Marketing Office:	Louise Judge BA (Hons)
- Marketing sales manager:	Marco Tumiati Ph.D.
- World marketing sales manager:	Paolo Poletti Ph.D.
- Price:	See European Price List

RICKETTSIA RICHETTSII ELISA

TECHNICAL CHARACTERISTICS
ELISA test for Rickettsia rickettsii canine IgG antibody detection

Code 20 wells:	27270620
Code 96 wells:	27270696
Application:	ELISA kit for the serodiagnosis of Rickettsia rickettsii
Test method:	ELISA
Composition:	20 or 96 tests wells
Sample:	Dog serum or plasma
Positive control:	Reference value, to be included in each analysis
Negative control:	Reference value, to be included in each analysis
Result:	Can be read both visually and at 650 nm

TEST DESCRIPTION

INTENDED USE

The Rickettsia rickettsii IgG Antibody Kit is intended for the qualitative detection of canine IgG class serum antibody to Rickettsia rickettsii.

PRINCIPLE OF THE TEST

Canine sera for testing are diluted to 1:100 and allowed to react with Rickettsia rickettsii antigens coated on specially treated micro-wells. After appropriate incubation, the wells are washed to remove unreacted serum proteins, and an enzyme-labeled anti dog IgG (conjugate) is then added to react with and tag the antigen antibody complexes. Following another incubation period, the wells are again washed to remove unreacted conjugate. A urea peroxide substrate with TMB as chromogen is added to start color development. Development of a blue color indicates a positive reaction while negative reactions appear colorless or with a trace of blue. The reaction is interrupted with a stop solution. Positive reactions remain a dark blue while negative reactions remain colorless or with a hint of blue. Color intensity (absorbance) is read at a wavelength of 450nm on a spectrophotometer or ELISA reader. Visual determinations can be made with the aid of the color chart provided in this insert.

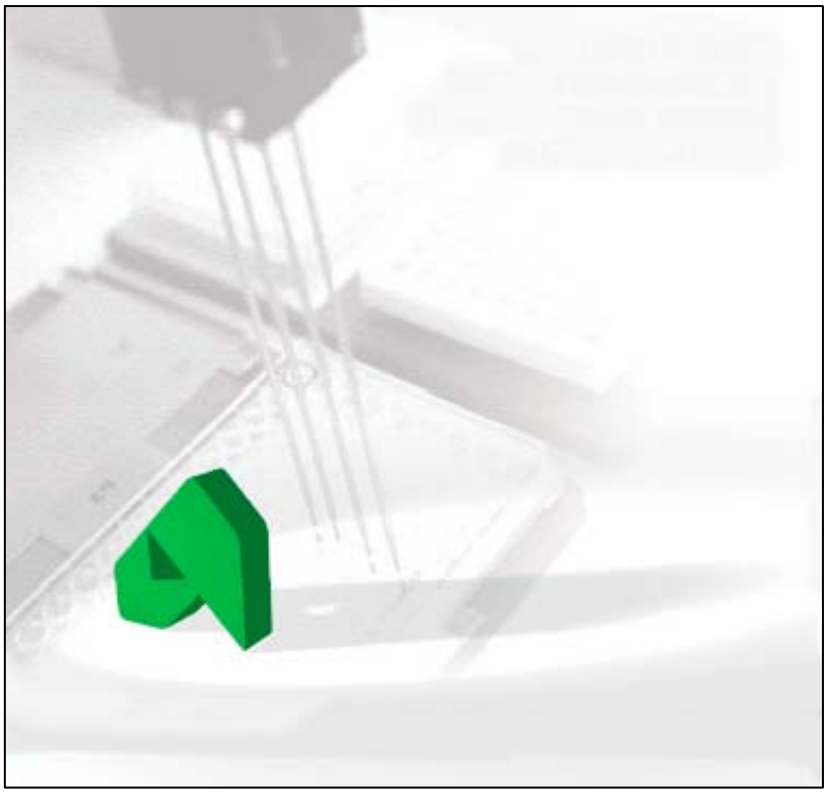
RICKETTSIA RICKETTSII CANINE ELISA

Technical Sheet

- N° of pathologies detected:	1 (Rickettsia rickettsii canine)
- N° wells per kit:	20 or 96 wells
- Detection:	Antibody research
- Storage condition:	+ 4 °C
- Shelf life:	12 months
- Sample required:	Serum of dog
- Total time to run the test:	30 minutes
- Kit contents:	– R Rickettsia rickettsii ELISA microplates – 96-wells containing Rickettsia rickettsii antigens and packaged with desiccant. – Conjugate, 2 x 6 mL – Green cap – Affinity purified horseradish peroxidase (HRP) labeled rabbit anti dog IgG (heavy chain). Protect from light. – Positive Control, 1.0 mL – Red cap – Dog serum reactive with Rickettsia rickettsii. – Negative Control, 1.0 mL – White cap – Dog serum non-reactive with Rickettsia rickettsii. – Wash Buffer, 1 packet – Phosphate buffered saline (PBS) with Tween 20, pH 7.4 and 0.05% Tween 20 when reconstituted to 1L with distilled water – TMB Substrate, 2 x 6 mL - Blue cap – A solution containing urea peroxide and 3,3',5,5'-tetramethylbenzidine (TMB). Protect from light. Non-carcinogenic. – Stop Solution, 2 x 6 mL - Yellow cap – Diluted phosphoric acid.
- Package available:	20 or 96 wells.
- Language used on package:	English
- Instruction language:	English
- Manufacturer:	AGROLABO S.p.A.
- Manufacturer address:	Via Masero snc 10010 Scarmagno (TO) Italy Tel.: 0039 0125 731111 Fax: 0039 0125 731190 E-mail: agrolabo@agrolabo.it www.agrolabo.it
- Minimum order:	1 kit
- International Marketing Office:	Louise Judge BA (Hons)
- Marketing sales manager:	Marco Tumiati Ph.D.
- World marketing sales manager:	Paolo Poletti Ph.D.
- Price:	See European Price List

ELISA Test LINE for CATS

The ELISA is undoubtedly the most widely used form of immunoassay in veterinary science on account of its simplicity and suitability as a screening method. It is extensively used in the identification of bacterial and viral diseases, where its superiority has now been conclusively demonstrated.



Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

FeLV Ag

TECHNICAL CHARACTERISTICS
ELISA test for CATS

Code 36 wells:	27224701
Code 96 wells:	27224732
Application:	ELISA kit for the serodiagnosis of FeLV Ag (P27)
Test method:	Double antibody sandwich enzymatic immunoassay
Composition:	32 or 96 tests (32 or 96 wells)
Sample:	Cat serum or plasma
Positive control:	Reference value, to be included in each analysis
Negative control:	Reference value, to be included in each analysis
Result:	Can be read both visually and at 450 nm

TEST DESCRIPTION

INTRODUCTION
Feline Leukaemia is one of the most important causes of mortality in cats. Its etiological agent is the Feline Leukaemia Virus (FeLV) an Oncoretrovirus (Retroviridae Family). It mainly affects cats younger than 5 years. Both sexes are equally affected. The disease is transmitted through linked, bite and ingestion of secretions and excretions. FeLV is isolated from blood, saliva, urine and faeces. It affects approximately 30% of those exposed (85 % of them die in 3-4 years).
The most notable symptoms are:
- Lymphocytic alterations: Immunodeficiency.
- Erythrocytic alterations: Non regenerative anaemia.
- Neoplasm alteration: Tumours.

Palliative treatments used are interleukina, interferon and even surgery on localised tumours and antibiotics in secondary infections.
Diagnosis is realised by virus particle detection. The detection of antibodies could be equally used for diagnostic or protection level evaluation.

PRINCIPLE OF THE TEST
The kit is based on a Double antibody sandwich enzymatic immunoassay. This technique shows great advantages compared to other techniques used until now: more sensitivity, more specificity, faster to do and easily automatizable.
A description of the technical basis of the assay follows: an specific monoclonal antibody (Mab) against FeLV is coated on a solid support (polystyrene plate). When a sample containing viral antigen is added, the viral particles are caught by the Mab. After washing to remove all material not bound to the plate, a second specific Mab to FeLV is added. This is a conjugate Mab (Mab-peroxidase). After incubation the presence of this conjugate Mab can be shown by adding a chromogenic substrate that in presence of the enzyme will produce a colorimetric reaction.
The use of these very specific and stable Mabs, warrants the objectivity, specificity, safety and accuracy of the assay.
The coating Mab as well as the conjugate Mab, are very specific Mabs that allow for the specific detection of FeLV antigen.

- N° of pathologies detected:	1 (Feline Leukaemia)
- N° wells per kit:	32 = 1x(3x12) 96 = 1x(8x12)
- Detection:	Antigen research
- Recombinant protein used:	P27 recombinant protein
- Storage condition:	+ 4 °C
- Shelf life:	12 months
- Sample required:	Serum of cat
- Total time to run the test:	30 minutes
- Kit contents:	4 divisible strips of 8 wells (or 4 x 12 wells) each one coated with a monoclonal antibody for FeLV 1 dropper with peroxidase conjugate, ready to use 1 dropper with positive control, ready to use 1 dropper with negative control, ready to use 1 bottle with 10x concentrated washing solution 1 dropper with substrate solution, ready to use Plastic pipettes Instruction to use
- Package available:	4 x 8 wells, or 12 x 8 wells.
- Language used on package:	English
- Instruction language:	English
- Manufacturer:	AGROLABO S.p.A.
- Manufacturer address:	Via Masero snc 10010 Scarmagno (TO) Italy Tel.: 0039 0125 731111 Fax: 0039 0125 731190 E-mail: agrolabo@agrolabo.it www.agrolabo.it
- Minimum order:	1 kit
- International Marketing Office:	Louise Judge BA (Hons)
- Marketing sales manager:	Marco Tumiati Ph.D.
- World marketing sales manager:	Paolo Poletti Ph.D.
- Price:	See European Price List

FeLV Ab

TECHNICAL CHARACTERISTICS
ELISA test for CATS

Code:	27224764
Application:	ELISA kit for the serodiagnosis of FeLV Ab (GP70) in cats
Test method:	Indirect enzymatic immunoassay (Indirect ELISA)
Composition:	32 or 96 tests (32 or 96 wells)
Sample:	Cat serum or plasma
Positive control:	Reference value, to be included in each analysis
Negative control:	Reference value, to be included in each analysis
Result:	Can be read both visually and at 450 nm

TEST DESCRIPTION

INTRODUCTION

Feline Leukaemia is one of the most important causes of mortality in cats. Its etiological agent is the feline Leukaemia virus (FeLV), an Oncoretrovirus (Retroviridae Family). It mainly affects cats younger than 5 years. Both sexes are equally affected. The disease is transmitted through linked, bite and ingestion of secretions and excretions. FeLV is isolated from blood, saliva, urine and faeces. It affects approximately 30 % of those exposed to it(85 % of them die in 3-4 years).

The most notable symptoms are:

- Lymphocytic alterations: Immunodeficiency.
- Erythrocytic alterations: Non regenerative anaemia.
- Neoplasm alteration: Tumours.

Palliative treatments used are interleukina, interferon and even surgery on localised tumours and antibiotics on secondary infections.

Diagnosis is realised by virus particle detection. The detection of antibodies can be used equally for diagnostic or protection level evaluation.

PRINCIPLE OF THE TEST

This kit is based on an indirect enzymatic immunoassay (Indirect ELISA). A short description of the technique follows below:

The antigen is fixed on a solid support (polystyrene plate). When a serum sample contains specific antibodies against the virus, they will bind to the antigen adsorbed on plate. After washing to eliminate all non fixed material from the sera sample, the presence of cat immunoglobulin can be detected using a specific peroxidase conjugate. After the addition of the substrate, a colorimetric reaction will appear which can be measured by a spectrophotometer.

In this way, the presence of colour shows the presence of antibodies against the virus in the cat sera, and the absence of colour indicates the absence of specific antibodies.

The aim of this kit is to provide users with a reliable and automatic diagnostic technique for this disease.

It is important to note that our kit uses antigen obtained by the expression of the viral protein gp70 in baculovirus growth in insect cell cultures. This method guarantees the total absence of infectivity in the kit.

Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

FeLV Ab ELISA

Technical Sheet

- N° of pathologies detected:	1 (Feline Leukaemia)
- N° wells per kit:	32 = 1x(3x12) 96 = 1x(8x12)
- Detection:	Antibody research
- Monoclonal antibody used:	Specific monoclonal antibody against GP70 protein
- Storage condition:	+ 4 °C
- Shelf life:	12 months
- Sample required:	Serum of cat
- Total time to run the test:	30 minutes
- Kit contents:	4 divisible strips of 8 wells each one coated with a monoclonal antibody for FeLV 1 dropper with peroxidase conjugate, ready to use 1 dropper with positive control, ready to use 1 dropper with negative control, ready to use 1 bottle with 10x concentrated washing solution 1 dropper with substrate solution, ready to use Plastic pipettes Instruction to use
- Package available:	4 x 96 wells.
- Language used on package:	English
- Instruction language:	English
- Manufacturer:	AGROLABO S.p.A.
- Manufacturer address:	Via Masero snc 10010 Scarmagno (TO) Italy Tel.: 0039 0125 731111 Fax: 0039 0125 731190 E-mail: agrolabo@agrolabo.it www.agrolabo.it
- Minimum order:	1 kit
- International Marketing Office:	Louise Judge BA (Hons)
- Marketing sales manager:	Marco Tumiati Ph.D.
- World marketing sales manager:	Paolo Poletti Ph.D.
- Price:	See European Price List

FIV Ab

TECHNICAL CHARACTERISTICS
ELISA test for CATS

Code 32 wells:	27224301
Code 96 wells:	27224332
Application:	ELISA kit for the serodiagnosis of FIV (P24) in cats
Test method:	Indirect enzymatic immunoassay (Indirect ELISA)
Composition:	32 or 96 tests (32 or 96 wells)
Sample:	Cat serum or plasma
Positive control:	Reference value, to be included in each analysis
Negative control:	Reference value, to be included in each analysis
Result:	Can be read both visually and at 650 nm

TEST DESCRIPTION

INTRODUCTION
Feline Immunodeficiency virus (FIV) is a lentivirus of domestic and wild cats that has been shown to occur world-wide. It has a prevalence between 1% and over 30% depending on the area and the cat population. FIV induces an immunosuppressive disease. Among the most important clinical signs are gingivitis/stomatitis, diarrhea, lymphadenopathy, fever anemia and leukopenia. So far, no treatment is known and infected cats will die after weeks to months, once clinical signs have developed. As the FIV infection is a long term infection, the presence of specific antibodies in serum indicates the presence of the virus. These antibodies can be detected in serum sample after 2-4 weeks post infection and usually they persist forever.

PRINCIPLE OF THE TEST
FIV antigen are coated in the plastic well; the feline serum is added inside the well.
Antibodies to FIV, if present in the feline sample, bind to the well (Ag/Ab complex). In the second step, after the washing, anti-feline IgG (Ab*) conjugated with the enzyme horseradish peroxidase, is added bounding to the Ag/Ab complex (Ag/Ab/Ab*). After washing, a chromogenic enzyme substrate is added. The development of a blue colour indicates the presence of antibody to FIV. The results can be read with a plate reader at 650 nm with addition of stop solution.

Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

FIV Ab ELISA

Technical Sheet

- N° of pathologies detected:	1 (Feline Immunodeficiency – Retrovirus genus Lentivirus)
- N° wells per kit:	96 = 1x(8x12)
- Detection:	Antibody research
- Recombinant protein used:	P26 recombinant protein
- Storage condition:	+ 4 °C
- Shelf life:	12 months
- Sample required:	Serum of cat
- Total time to run the test:	30 minutes
- Kit contents:	4 divisible strips of 8 wells (or 4 x 12 wells) each one coated with a FIV specific peptide 1 dropper with peroxidase conjugate, ready to use 1 dropper with inactivated positive control, ready to use 1 dropper with inactivated negative control, ready to use 1 bottle with 10x concentrated washing solution 1 dropper with substrate solution, ready to use 1 dropper with sera diluent Calibrated loops for dispensing the sera samples Instruction to use
- Package available:	4 x 8 wells, or 4 x 12 wells.
- Language used on package:	English
- Instruction language:	English
- Manufacturer:	AGROLABO S.p.A.
- Manufacturer address:	Via Masero snc 10010 Scarmagno (TO) Italy Tel.: 0039 0125 731111 Fax: 0039 0125 731190 E-mail: agrolabo@agrolabo.it www.agrolabo.it
- Minimum order:	1 kit
- International Marketing Office:	Louise Judge BA (Hons)
- Marketing sales manager:	Marco Tumiati Ph.D.
- World marketing sales manager:	Paolo Poletti Ph.D.
- Price:	See European Price List

ALLERGY
For CATS and DOGS

AGROLABO has an impressive track record in the key area of atopic disease in cats, dogs and horses. Our strengths are fifteen years of experience, discovery and development of innovative treatments, all supported by an excellent research base, and driven by innovative and competitive strategy.

Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

AGROSKIN

TECHNICAL CHARACTERISTICS
SKIN test for CATS, DOGS and HORSES

Code: NEW

Application: In vivo test to identify the immediate hypersensitivity allergy to the respective allergens in cats, dogs and horses. For Veterinary diagnostic use only.

Test method: The test is based upon the release of inflammatory mediators such as histamine from the surface of mast cells, following interaction of surface-bound IgE with intradermally injected allergenic extracts. This will cause skin induration and erythema reactions, which are indicative of the animal's hypersensitivity to the antigen.

Allergens: Sterile acqueous highly purified allergen extracts.
The allergens in the kit are selected on the basis of the specific geographic area of market. Several formats are available, characteristic of all European regions.
More than 50 allergens are available (other allergens available on request):

Acarus siro
Acer spp.
Alnus incana
Alternaria alternata
Ambrosia artemisifolia
Ambrosia trifida
Anthoxantum odoratum
Artemisia vulgaris
Aspergillus spp.
Atriplex spp.
Avena sativa
Beta vulgaris
Betula spp.
Botrytis cinerea
Brassica sp.
Candida albicans
Cat Epithelia
Chenopodium album
Chrisops
Cladosporium herbarum
Corylus spp.
Ctenocephalides sp.
Culex
Culicoides
Cupressus spp.
Cynodon dactylon
Dactylis glomerata
Dermatophagoides farinae
Dermatophagoides pteronyssinus
Epicoccum spp.
Fagus spp.
Feather mix
Festuca elatior
Fraxinus spp.
Helmintosporium spp.
Holcus lanatus
House Dust
Kapok
Lepidoglyphus destructor
Lolium perenne
Malassezia
Medicago sativa
Mucor spp.
Olea europea
Penicillium notatum
Phleum pratense
Pinus strobus
Plantago lanceolata
Platanus occidentalis
Poa pratensis
Populus alba
Populus nigra
Quercus spp.
Rhizopus spp.
Robinia pseudacacia
Rumex acetosella
Salix spp.
Secale cereale
Solenopsis
Solidago spp.
Tabanus
Taraxacum officinale
Trifolium pratense
Tyrophagus putrescentiae
Urtica dioica
Zea Mays

Positive Control: Included
Negative Control: Included

Results: The animal's response is graded on the basis of wheal size, 15-20 minutes after application of the test's antigens. Each allergen test site is graded on the basis of a scale rating of +1 to +4, where +4 approximates the positive control wheal or alternatively by measuring the diameter of each wheal. Discreteness of wheal margin (including steepness of wall sides) turgidity, pseudopodia and erythema should be evaluated.

Test description: **AGROSKIN** is an intradermal test kit which includes all the materials required to run a rapid and safe allergy evaluation. Skin test is usually the recommended test to confirm the diagnosis of atopy. It is simple to perform, quick and inexpensive. Skin test is contraindicated in patients on antihistamine or corticosteroid medications, which will cause inhibition of the histamine-mediated skin test reaction resulting in false negative responses.

Packages: Two packages area available; AGROSKIN CT 200, and AGROSKIN RTU 20 that contain 200 and 20 skin tests each.

Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

IMMUNOTHERAPHY TREATMENT

TECHNICAL CHARACTERISTICS
Personalised Immunotherapy treatment for CATS, DOGS and HORSES

Application:	Therapeutic treatment against allergy status for cats, dogs and horses
Volume of vial:9 ml.	
Allergens:	High pure and sterile allergen extracts are used. Double quality control on each treatment is run.
Expiry date:	18 months
Prot. of administr.:	Two copies are included and personalized for each patient.
Time of manufacture:	15 days
Registration:	In Europe no registration is required to sell Immunotherapy treatment for cats, dogs and horses. European law only requires a veterinary medical prescription of the treatment. On the basis of the prescription the sale is authorized.

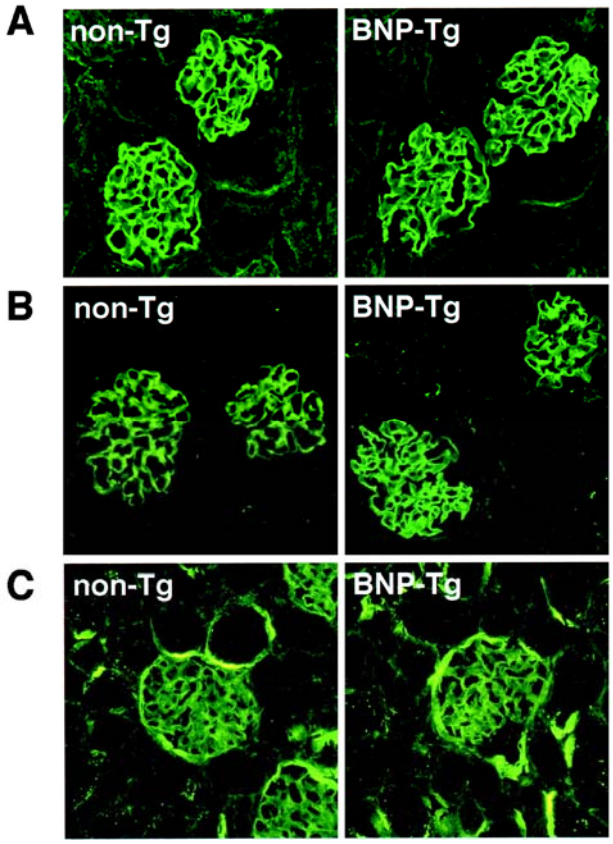
TREATMENT DESCRIPTION

INTRODUCTION
Immunotherapy is a treatment in which increasing doses of diluted allergens (responsible for allergy reaction) are injected subcutaneously in an attempt to increase the patient's ability to tolerate exposure to allergens.
The immunological change responsible for the beneficial effects of Immunotherapy is uncertain, but remains the only possible long-term treatment.

TREATMENT
The selection of allergens for the treatment should be based on the results of a thorough patient history, clinical signs and a specific diagnosis based on the in vitro or in vivo test for the determination of responsible allergenic agents.
The improvement of Immunotherapy treatment is very individual so the effectiveness should be evaluated after 6-9 months after the beginning of the treatment. The Immunotherapy treatment should continue at least, without interruption, for 12 months.
Repeated subcutaneous injections of a diluted solution of responsible allergens are done following a suggested protocol; it can be modified by the veterinarian on the basis of his evaluations. The dosage must be determined and controlled by the Veterinarian on the basis of clinical findings, environmental considerations and the patient's tolerance.
Adverse reactions are uncommon and consist of an exacerbation of clinical signs in local skin reaction and, in very rare cases, of a systemic reaction.

IFA LINE

Our commitment is to develop a strong and lasting relationship with our customers. We are pleased to present our extended range of infectious disease IFA products offered both as individual components and as complete kits.



Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

FLUO DISTEMPER IgG

Test-Kit for the Detection of anti- canine Distemper IgG - Antibodies in Dog Serum or Plasma

FLUO DISTEMPER IgG substrate slides are intended for the detection and semi-quantitation of IgG class antibodies to canine Distemper in dog or bovine serum. 10-well Substrate masked slides, infected cells with inactivated canine Distemper virus antigen

Principle of the Test

Dog sera are diluted in buffered saline and incubated in the individual slide wells to allow reaction of patient antibody with the inactivated cells infected with canine Distemper antigens together with not infected cells fixed on the slide. Slides are then washed to remove unreacted serum proteins, and fluorescence-labelled anti-dog IgG (conjugate) is added. This conjugate is allowed time to react with antigen-antibody complexes. The slides are washed again to remove unreacted conjugate. The resulting reactions can be visualized using standard fluorescence microscopy, where a positive reaction is seen as sharply defined apple-green fluorescent binds to the superficial protein in each infected cell. At a negative reaction the cells do not show any fluorescence and stay grey-green coloured. Using the yellow filter they stay red coloured anyway unlike that seen in the positive control well. Positive reactions may then be retested at higher dilution's to determine the highest reactive or endpoint dilution.

Kit Components

- 1 x 10-well substrate masked slides, infected cells with CDV antigens.
- 1 x 0,5 ml vial of positive control
- 1 x 0,5 ml vial of negative control
- 1 x 3,0 ml vial of conjugate anti-globuline with conservatives
- 1 x 3,0 ml vial of mounting medium
- Insert

Disease: Canine Distempervirus
Species: dog
Category: Laboratory
Method: IFAT
Format: kit 10 single slide, 12 spots
Code: 27263101

On request are available 50 tests kit, or single slides.

Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

FLUO HERPES VIRUS CANINE

Test-Kit for the Detection of anti- Canine Herpes virus IgG - Antibodies in Dog Serum or Plasma

FLUO HERPES VIRUS CANINE IgG substrate slides are intended for the detection and semi-quantitation of IgG class antibodies to canine Herpes virus in dog serum. 10-well Substrate masked slides, infected cells with inactivated canine Herpes virus antigen.

Principle of the Test

Dog sera are diluted in buffered saline and incubated in the individual slide wells to allow reaction of patient antibody with the inactivated cells infected with CHV antigens together with not infected cells fixed on the slide. Slides are then washed to remove unreacted serum proteins, and fluorescence labeled anti-dog IgG (conjugate) is added. This conjugate is allowed time to react with antigen antibody complexes. The slides are washed again to remove unreacted conjugate. The resulting reactions can be visualized using standard fluorescence microscopy, where a positive reaction is seen as sharply defined apple-green fluorescent binds to the superficial protein in each infected cell. At a negative reaction the cells do not show any fluorescence and stay grey-green coloured. Using the yellow filter they stay red coloured anyway unlike that seen in the positive control well. Positive reactions may then be retested at higher dilution's to determine the highest reactive or endpoint dilution.

Kit Components

- 1 x 10 Slides of 10 spots masked slides, infected cells with CHV antigens.
- 1 x 0,5 ml vial of positive control
- 1 x 0,5 ml vial of negative control
- 1 x 3,0 ml vial of conjugate anti-globuline with conservatives
- 1 x 3,0 ml vial of mounting medium
- Insert

Disease: Canine Herpes virus
Species: dog
Category: Laboratory
Method: IFAT
Format: kit 10 single slide, 12 spots
Code: 27262610

On request are available 50 tests kit, or single slides.

FLUO FELINE CALICIVIRUS

Test-Kit for the Detection of anti- Feline Calizivirus IgG - Antibodies in Cat Serum or Plasma

FLUO CALICIVIRUS IgG substrate slides are intended for the detection and semi-quantitation of IgG class antibodies to feline Calicivirus in cat serum. 10-well Substrate masked slides, infected cells with inactivated feline Calicivirus antigen.

Principle of the Test

Cat sera are diluted in buffered saline and incubated in the individual slide wells to allow reaction of patient antibody with the inactivated cells infected with FCV antigens together with not infected cells fixed on the slide. Slides are then washed to remove unreacted serum proteins, and fluorescence labeled anti-cat IgG (conjugate) is added. This conjugate is allowed time to react with antigen-antibody complexes. The slides are washed again to remove unreacted conjugate. The resulting reactions can be visualized using standard fluorescence microscopy, where a positive reaction is seen as sharply defined apple-green fluorescent binds to the superficial protein in each infected cell. At a negative reaction the cells do not show any fluorescence or stay grey-greenish coloured. Using the yellow filter they stay red coloured, anyway unlike that seen in the positive control well. Positive reactions may then be retested at higher dilution's to determine the highest reactive or endpoint dilution.

Kit Components

- 1 x 10 Slides of 10 spots masked slides, infected cells with feline Calicivirus antigens.
- 1x1 vial of Conjugate 3,0 ml flurescein-labeled anti-feline IgG
- 1x1 vial of Positive Control, 0.5ml
- 1x1 vial of Negative Control, 0.5 ml
- 1x1 vial Mounting Fluid, 3,0 ml
- Insert

Disease: Feline Calicivirus
Species: cat
Category: Laboratory
Method: IFAT
Format: kit 10 single slide, 10 spots
Code: 27262901

On request are available 50 tests kit, or single slides.

Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

FLUO FELINE HERPES VIRUS

Test-Kit for the Detection of anti- Feline Herpes virus IgG - Antibodies in Cat Serum or Plasma

FLUO HERPES VIRUS IgG substrate slides are intended for the detection and semi-quantitation of IgG class antibodies to feline Herpes virus in cat serum. 10-well Substrate masked slides, infected cells with inactivated feline Herpes virus antigen.

Principle of the Test

Cat sera are diluted in buffered saline and incubated in the individual slide wells to allow reaction of patient antibody with the inactivated cells infected with FHV antigens together with not infected cells fixed on the slide. Slides are then washed to remove unreacted serum proteins, and fluorescence labeled anti-cat IgG (conjugate) is added. This conjugate is allowed time to react with antigen-antibody complexes. The slides are washed again to remove unreacted conjugate. The resulting reactions can be visualized using standard fluorescence microscopy, where a positive reaction is seen as sharply defined apple-green fluorescent binds to the superficial protein in each infected cell. At a negative reaction the cells do not show any fluorescence and stay grey-green coloured. Using the yellow filter they stay red coloured anyway unlike that seen in the positive control well. Positive reactions may then be retested at higher dilution's to determine the highest reactive or endpoint dilution.

Kit Components

- 10x10-well Substrate masked slides, infected cells with feline Herpes virus antigen.
- 1x1 vial of Conjugate 3,0 ml flurescein-labeled anti-feline IgG
- 1x1 vial of Positive Control, 0.5ml
- 1x1 vial of Negative Control, 0.5 ml
- 1x1 vial Mounting Fluid, 3,0 ml
- Insert

Disease: Feline Herpes virus
Species: cat
Category: Laboratory
Method: IFAT
Format: kit 10 single slide, 10 spots
Code: 27262801

On request are available 50 tests kit, or single slides.

Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

FLUO FELINE CORONAVIRUS

Test-Kit for the Detection of anti- Feline Coronavirus IgG - Antibodies in Cat Serum or Plasma

FLUO CORONAVIRUS IgG substrate slides are intended for the detection and semi-quantitation of IgG class antibodies to feline Coronavirus in cat serum. 10-well Substrate masked slides, infected cells with inactivated TGeV antigen.

Principle of the Test

Cat sera are diluted in buffered saline and incubated in the individual slide wells to allow reaction of patient antibody with the inactivated cells infected with TGeV antigens together with not infected cells fixed on the slide. Slides are then washed to remove unreacted serum proteins, and fluorescence labeled anti-cat IgG (conjugate) is added. This conjugate is allowed time to react with antigen-antibody complexes. The slides are washed again to remove unreacted conjugate. The resulting reactions can be visualized using standard fluorescence microscopy, where a positive reaction is seen as sharply defined apple-green fluorescent binds to the superficial protein in each infected cell. At a negative reaction the cells do not show any fluorescence and stay grey-green coloured. Using the yellow filter they stay red coloured anyway unlike that seen in the positive control well. Positive reactions may then be retested at higher dilution's to determine the highest reactive or endpoint dilution..

Kit Components

- 10 or 50 x 10-well Substrate masked slides, infected cells with TGeV antigen.
- 1x1 vial of Conjugate 3,0 ml flurescein-labeled anti-feline IgG
- 1x1 vial of Positive Control, 0.5ml
- 1x1 vial of Negative Control, 0.5 ml
- 1x1 vial Mounting Fluid, 3,0 ml
- Insert

Disease: Feline Coronavirus
Species: cat
Category: Laboratory
Method: IFAT
Format: kit 10 single slide, 10 spots
Code: 27264401

On request are available 50 tests kit, or single slides.

FLUO HEPATITIS CONTAGIOSA CANIS

Test-Kit for the Detection of anti- Hepatitis Contagiosa Canis IgG - Antibodies in Dog Serum or Plasma.

FLUO CORONAVIRUS IgG substrate slides are intended for the detection and semi-quantitation of IgG class antibodies to Hepatitis contagiosa canis in dog serum. 10-well Substrate masked slides, infected cells with inactivated Hepatitis contagiosa canis virus antigen.

Principle of the Test

Dog sera are diluted in buffered saline and incubated in the individual slide wells to allow reaction of patient antibody with the inactivated cells infected with HCC antigens together with not infected cells fixed on the slide. Slides are then washed to remove unreacted serum proteins, and fluorescence labeled anti-dog IgG (conjugate) is added. This conjugate is allowed time to react with antigenantibody complexes. The slides are washed again to remove unreacted conjugate. The resulting reactions can be visualized using standard fluorescence microscopy, where a positive reaction is seen as sharply defined apple-green fluorescent binds to the superficial protein in each infected cell. At a negative reaction the cells do not show any fluorescence and stay grey-green coloured. Using the yellow filter they stay red coloured anyway unlike that seen in the positive control well. Positive reactions may then be retested at higher dilution's to determine the highest reactive or endpoint dilution.

Kit Components

- 1x10-well Substrate masked slides, infected cells with Hepatitis contagiosa canis antigen.
- 1x1 vial of Conjugate 3,0 ml flurescein-labeled anti-dog IgG
- 1x1 vial of Positive Control, 0.5ml
- 1x1 vial of Negative Control, 0.5 ml
- 1x1 vial Mounting Fluid, 3,0 ml
- Insert

Disease: Hepatitis Contagiosa Canis
Species: Dog
Category: Laboratory
Method: IFAT
Format: kit 10 single slide, 10 spots
Code: 27263001

On request are available 50 tests kit, or single slides.

FLUO RICKETTSIA RICKETTSII

Test-Kit for the Detection of anti- Rickettsia rickettsii IgG - Antibodies in Dog Serum or Plasma.

FLUO RICKETTSIA RICKETTSII IgG substrate slides are intended for the detection and semiquantitation of IgG class antibodies to Rickettsia rickettsii in dog serum. 10-well Substrate masked slides, infected cells with inactivated Rickettsia rickettsii antigen.

Principle of the Test

Dog sera are diluted in buffered saline and incubated in the individual slide wells to allow reaction of patient antibody with the inactivated cells infected with Rickettsia rickettsii antigens together with not infected cells fixed on the slide. Slides are then washed to remove unreacted serum proteins, and fluorescence labeled anti-dog IgG (conjugate) is added. This conjugate is allowed time to react with antigen-antibody complexes. The slides are washed again to remove unreacted conjugate. The resulting reactions can be visualized using standard fluorescence microscopy, where a positive reaction is seen as sharply defined apple-green fluorescent rod forms in the cytoplasma binds to the superficial protein in each infected cell. At a negative reaction the cells do not show any fluorescence and stay grey-green coloured. Using the yellow filter they stay red coloured anyway unlike that seen in the positive control well. Positive reactions may then be retested at higher dilution's to determine the highest reactive or endpoint dilution.

Kit Components

- 10x12-well Substrate masked slides, infected cells with Rickettsia rickettsii antigen.
- 1 x1 vial of Conjugate 3,0 ml fluorescein-labeled anti-dog IgG
- 1 x1 vial of Positive Control, 0.5ml
- 1 x1 vial of Negative Control, 0.5 ml
- 1 x1 vial Mounting Fluid, 3,0 ml
- Insert

Disease: Rickettsia Rickettsii
Species: Dog
Category: Laboratory
Method: IFAT
Format: kit 10 single slide, 10 spots
Code: 27264801

On request are available 50 tests kit, or single slides.

Products for nutritional, therapeutic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

FLUO ANAPLASMA PH.

Test-Kit for the Detection of anti-Anaplasma phagocytophila Antibodies in Horse Serum or Plasma.

FLUO ANAPLASMA PHAGOCYTOPHILA, substrate slides are intended for the detection and semi-quantitation of IgG class horse antibody to Anaplasma Phagocytophila serum. 12-well Substrate masked slides.

Principle of the Test

Substrate slides consists of Teflon-masked wells containing mixed equine neutrophils cells, approximately 20-30% of which are infected with Anaplasma phagocytophila and contain the characteristic cytoplasmic morulae. Horse sera are diluted in buffered saline and incubated in the individual slide wells to allow reaction of patient antibody with the Anaplasma phagocytophila antigens. Slides are then washed to remove unreacted serum proteins, and fluerescence labeled anti-horse IgG (conjugate) is added. This conjugate is allowed time to react with antigen-antibody complexes. The sildes are washed again to remove unreacted conjugate. The resulting reactions can be visualized using standard fuorescence microscopy, where a positive reaction is seen es sharply defined apple-green fluorescent morulae in the cytoplasm of the infected cells. A negative reaction is seen, as either as red-counterstained cells or fluorescence unlike that seen in the positive control well. Positive reactions may then be retested at higher dilutions to determine the highest reactive or endpoint dilution.

Kit Components

- 10 x12-well Substrate masked slides, infected neutrophils with Anaplasma phagocytophila antigen.
- 1 x 1 vial of Conjugate 3,0 ml fluorescein-labeled FITC anti-horse IgG
- 1 x 1 vial of Positive Control, 0.5ml
- 1 x 1 vial of Negative Control, 0.5 ml
- 1 x 1 vial of Mounting Fluid, 3,0 ml
- Insert

Disease: Anaplasma phagocytophilum
Species: horse, dog, cat
Category: Laboratory
Method: IFAT
Format: kit 10 single slide, 12 spots
Code: 27262501

On request are available 50 tests kit, or single slides.

Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

FLUO BABESIA CABALLI

IFA Testkit for the detection of Babesia caballi IgG antibodies in horse serum.

FLUO BABESIA CABALLI, substrate slides are intended for the detection and semi-quantitation of IgG class horse antibody to Babesia caballi serum. 12-well Substrate masked slides.

Principle of the Test

Substrate slides consists of Teflon-masked wells containing mixed equine neutrophils cells, approximately 20-30% of which are infected with Babesia caballi. Horse sera are diluted in buffered saline and incubated in the individual slide wells to allow reaction of patient antibody with the Babesia caballi antigens. Slides are then washed to remove unreacted serum proteins, and fluerescence labeled anti-horse IgG (conjugate) is added. This conjugate is allowed time to react with antigen-antibody complexes. The sildes are washed again to remove unreacted conjugate. The resulting reactions can be visualized using standard fuorescence microscopy, where a positive reaction is seen es sharply defined apple-green fluorescent in the cytoplasm of the infected cells. A negative reaction is seen, as either as red-counterstained cells or fluorescence unlike that seen in the positive control well. Positive reactions may then be retested at higher dilutions to determine the highest reactive or endpoint dilution.

Kit Components

- 10 x12-well Substrate masked slides, infected neutrophils with Babesia caballi antigen.
- 1 x 1 vial of Conjugate 3,0 ml fluorescein-labeled FITC anti-horse IgG
- 1 x 1 vial of Positive Control, 0.5ml
- 1 x 1 vial of Negative Control, 0.5 ml
- 1 x 1 vial of Mounting Fluid, 3,0 ml
- Insert

Disease: Babesia caballi
Species: Horse
Category: Laboratory
Method: IFAT
Format: kit 10 single slide, 12 spots
Code: 27263801

On request are available 50 tests kit, or single slides.

Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

FLUO BABESIA CANIS

IFA Testkit for the detection of Babesia canis IgG antibodies in horse serum.

FLUO BABESIA CANIS, substrate slides are intended for the detection and semi-quantitation of IgG class horse antibody to Babesia canis serum. 12-well Substrate masked slides.

Principle of the Test

Substrate slides consist of Teflon-masked wells containing fixed canine cells, approximately 20-30% of which are infected with Babesia canis and contain the characteristic cytoplasmic merosoit. Canine sera are diluted in buffered saline and incubated in the individual slide wells to allow reaction of patient antibody with the Babesia antigens. Slides are then washed to remove unreacted serum proteins, and fluorescence labeled anti-canine IgG (conjugate) is added. This conjugate is allowed time to react with antigen-antibody complexes. The slides are washed again to remove unreacted conjugate. The resulting reactions can be visualized using standard fluorescence microscopy, where a positive reaction is seen as sharply defined apple-green fluorescent merosoit within the cytoplasm of 20-30% of the cells in each field. A negative reaction is seen either as red-counterstained cells or fluorescence unlike that seen in the positive control well. Positive reactions may then be retested at higher dilutions to determine the highest reactive or endpoint dilution.

Kit Components

- 10 x 12-well Substrate masked slides containing fixed infected with Babesia canis cells.
- 1x1 vial of Conjugate 1.5 ml (yellow cap)
- 1x1 vial of Positive Control, 0.5ml (green cap)
- 1x1 vial of Negative Control, 0.5 ml (orange cap)
- 1x1 Mounting Fluid, 1 ml (withe cap)
- 1x1 Affinity-purified fluorescein-labeled rabbit anti-canine IgG (heavy chain) lyophilized in the presence of bovine serum albumin, 0.05% thimerosal, Evans' blue counterstain, and organic stabilisers. Reconstitute with 1.5 ml purified water.

Disease: Babesia canis
Species: Dog
Category: Laboratory
Method: IFAT
Format: kit 10 single slide, 10 spots
Code: 27263601

On request are available 50 tests kit, or single slides.

FLUO BABESIA EQUI

IFA Testkit for the detection of Babesia equi IgG antibodies in horse serum.

FLUO BABESIA EQUI, substrate slides are intended for the detection and semi-quantitation of IgG class horse antibody to Babesia canis serum. 12-well Substrate masked slides.

Principle of the Test

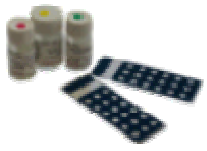
Substrate slides consist of Teflon-masked wells containing fixed canine cells, approximately 20-30% of which are infected with Babesia equi and contain the characteristic cytoplasmic merosoit. Canine sera are diluted in buffered saline and incubated in the individual slide wells to allow reaction of patient antibody with the Babesia antigens. Slides are then washed to remove unreacted serum proteins, and fluorescence labeled anti IgG (conjugate) is added. This conjugate is allowed time to react with antigen-antibody complexes. The slides are washed again to remove unreacted conjugate. The resulting reactions can be visualized using standard fluorescence microscopy, where a positive reaction is seen as sharply defined apple-green fluorescent merosoit within the cytoplasm of 20-30% of the cells in each field. A negative reaction is seen either as red-counterstained cells or fluorescence unlike that seen in the positive control well. Positive reactions may then be retested at higher dilutions to determine the highest reactive or endpoint dilution.

Kit Components

- 10 x 12-well Substrate masked slides containing fixed infected with Babesia equi cells.
- 1x1 vial of Conjugate 1.5 ml (yellow cap)
- 1x1 vial of Positive Control, 0.5ml (green cap)
- 1x1 vial of Negative Control, 0.5 ml (orange cap)
- 1x1 Mounting Fluid, 1 ml (withe cap)
- 1x1 Affinity-purified fluorescein-labeled rabbit anti IgG (heavy chain) lyophilized in the presence of bovine serum albumin, 0.05% thimerosal, Evans' blue counterstain, and organic stabilisers. Reconstitute with 1.5 ml purified water.

Disease: Babesia equi
Species: Horse
Category: Laboratory
Method: IFAT
Format: kit 10 single slide, 12 spots
Code: 27264001

On request are available 50 tests kit, or single slides.



Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

FLUO BORRELIA canis

Test-Kit for the Detection of anti- Borrelia burg. sensu-lato Antibodies in dog Serum or Plasma.

FLUO BORRELIA CANIS, Antibody kit is intended for the detection and semi-quantitation of IgG class antibodies to Borrelia burg. sensu-lato in animal serum. Test-kit for 100 qualitative determinations or 25 semi-quantitative determinations.

Principle of the Test

Animal sera are diluted in buffered saline and incubated in the individual slide wells to allow reaction of patient antibody with the Borrelia sensu-lato antigens. Slides are then washed to remove unreacted serum proteins, and fluorescence labeled anti-animal IgG (conjugate) is added. This conjugate is allowed time to react with antigen-antibody complexes. The slides are washed again to remove unreacted conjugate. The resulting reactions can be visualized using standard fluorescence microscopy, where a positive reaction is seen as sharply defined apple-green fluorescent spirochaet in each field. A negative reaction is seen with fluorescence unlike that seen in the positive control well. Positive reactions may then be retested at higher dilutions to determine the highest reactive or endpoint dilution.

Kit Components

- 10 x 10-well Substrate masked slides with Borrelia burg. sensu-lato antigens.
- 1x1 vial of anti-dog Conjugate 3.0 ml
- 1x1 vial of Positive Control, 0.5ml
- 1x1 vial of Negative Control, 0.5 ml
- 1x1 Mounting Fluid 3,0 ml

Disease: Babesia canis
Species: Dog
Category: Laboratory
Method: IFAT
Format: kit 10 single slide, 10 spots
Code: 27262201

On request are available 50 tests kit, or single slides.

Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

FLUO BORRELIA HORSE

Test-Kit for the Detection of anti- Borrelia burg. sensu-lato Antibodies in horse Serum or Plasma.

FLUO BORRELIA HORSE, Antibody kit is intended for the detection and semi-quantitation of IgG class antibodies to Borrelia burg. sensu-lato in animal serum. Test-kit for 100 qualitative determinations or 25 semi-quantitative determinations.

Principle of the Test

Animal sera are diluted in buffered saline and incubated in the individual slide wells to allow reaction of patient antibody with the Borrelia sensu-lato antigens. Slides are then washed to remove unreacted serum proteins, and fluorescence labeled anti-animal IgG (conjugate) is added. This conjugate is allowed time to react with antigen-antibody complexes. The slides are washed again to remove unreacted conjugate. The resulting reactions can be visualized using standard fluorescence microscopy, where a positive reaction is seen as sharply defined apple-green fluorescent spirochaete in each field. A negative reaction is seen with fluorescence unlike that seen in the positive control well. Positive reactions may then be retest at higher dilution to determine the highest reactive or endpoint dilution.

Kit Components

- 10 x 10-well Substrate masked slides with Borrelia burg. sensu-lato antigens.
- 1x1 vial of anti-horse Conjugate 3.0 ml
- 1x1 vial of Positive Control, 0.5ml
- 1x1 vial of Negative Control, 0.5 ml
- 1x1 Mounting Fluid 3,0 ml

Disease: Babesia horse
Species: Horse
Category: Laboratory
Method: IFAT
Format: kit 10 single slide, 10 spots
Code: 27262201

On request are available 50 tests kit, or single slides.

Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

FLUO BRUCELLA CANIS

Test-Kit for the Detection of anti- Brucella canis Antibodies in Serum or Plasma.

FLUO BRUCELLA CANIS, Antibody kit is intended for the detection and semi-quantitation of IgG class canine antibody to Brucella canis. Test for 120 quantitative determinations or 30 semi-quantitative determinations.

Principle of the Test

Substrate slides consist of teflon-masked wells containing fixed Brucellae in a matrix of egg yolk sac sonicate, which is counterstained by Evans' blue dye as a contrasting background to the Brucella canine sera are diluted in buffered saline and incubated in the individual slide wells to allow reaction of patient antibody with the Brucella antigens. Slides are then washed to remove unreacted serum proteins, and fluorescence labeled anti-human IgG (conjugate) is added. This conjugate is allowed time to react with antigen-antibody complexes. The resulting reactions can be visualized using standard fluorescence microscopy, where a positive reaction is seen as sharply defined apple-green fluorescent Brucella (coccobacilli) against a red background of yolk sac material. A negative reaction is seen either as red-counterstained yolk sac alone or fluorescence unlike that seen in the positive control well. Positive reactions may then be retested at higher dilutions to determine the highest reactive or endpoint dilution.

Kit Components

- 10x12-well masked slides containing fixed Brucella in a matrix (acetone-washed egg yolk sac sonicate).
- 1x1 vial of Conjugate 1.5 ml (silver cap)
- 1x1 vial of Positive Control, 0.5ml (blue cap)
- 1x1 vial of Negative Control, 0.5 ml (red cap)
- 1x1 Mounting Fluid, 1 ml
- 1x1 PBS powder to 1 liter purified water to produce phosphate-buffered saline at pH 7.2.

Disease: Brucella canis
Species: Dog
Category: Laboratory
Method: IFAT
Format: kit 10 single slide, 12 spots
Code: 27262301

On request are available 50 tests kit, or single slides.

Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

FLUO EHRLICHIA CANIS

Test-Kit for the Detection of anti- Ehrlichia canis Antibodies in Dog´s Serum or Plasma.

FLUO EHRLICHIA CANIS, substrate slides are intended for the detection and semiquantitation of IgG class antibodies to Ehrlichia canis in dog serum or plasma. 12-well substrate masked slides, containing fixed canine macrophage cells (DH82 cell line) infected with Ehrlichia canis.

Principle of the Test

Substrate slides consist of Teflon-masked wells containing fixed canine macrophage cells (DH82 cell line) , approximately 20-30% of which are infected with Ehrlichia canis and contain the characteristic cytoplasmic morulae. Canine sera are diluted in buffered saline and incubated in the individual slide wells to allow reaction of patient antibody with the Ehrlichial antigens. Slides are then washed to remove unreacted serum proteins, and fluorescence labeled anti-canine IgG (conjugate) is added. This conjugate is allowed time to react with antigen-antibody complexes. The slides are washed again to remove unreacted conjugate. The resulting reactions can be visualized using standard fluorescence microscopy, where a positive reaction is seen as sharply defined apple-green fluorescent morulae within the cytoplasm of 20-30% of the cells in each field. A negative reaction is seen either as redcounterstained cells or fluorescence unlike that seen in the positive control well. Positive reactions may then be retested at higher dilutions to determine the highest reactive or endpoint dilution.

Kit Components

- 10 x 12-well Substrate masked slides containing fixed uninfected and Ehrlichia canis DH82 cells.
- 1x1 vial of Conjugate 1.5 ml (yellow cap)
- 1x1 vial of Positive Control, 0.5ml (blue cap)
- 1x1 vial of Negative Control, 0.5 ml (red cap)
- 1x1 Mounting Fluid, 1 ml (witje cap)
- 1x1 PBS powder to 1 liter purified water to produce phosphate-buffered saline
- 1x1 Affinity-purified fluorescein-labeled rabbit anti-canine IgG (heavy chain) lyophilized in the presence of bovine serum albumin, 0.05% thimerosal, Evans' blue counterstain, and organic stabilisers. Reconstitute with 1.5 ml purified water.

Disease: Ehrlichia canis
Species: Dog
Category: Laboratory
Method: IFAT
Format: kit 10 single slide, 12 spots
Code: 27262401

On request are available 50 tests kit, or single slides.

Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

FLUO LEISHMANIA

Test-Slides for the Detection of anti- Leishmania Antibodies in dog´s Serum or Plasma.

FLUO LEISHMANIA, Antibody kit is intended for the detection and semi-quantitation of IgG class antibodies to Leishmania in dog serum. Test-kit for 100 qualitative determinations or 25 semi-quantitative determinations.

Principle of the Test

Dog sera are diluted in buffered saline and incubated in the individual slide wells to allow reaction of patient antibody with the Leishmania antigens. Slides are then washed to remove unreacted serum proteins, and fluorescence labeled anti-dog IgG (conjugate) is added. This conjugate is allowed time to react with antigen-antibody complexes. The slides are washed again to remove unreacted conjugate. The resulting reactions can be visualized using standard fluorescence microscopy, where a positive reaction is seen as sharply defined apple-green fluorescent Leishmania membrane in each field. A negative reaction is seen with fluorescence unlike that seen in the positive control well. Positive reactions may then be retested at a higher dilution to determine the highest reactive or endpoint titer.

Kit Components

- 10x12-well masked slides containing fixed Leishmania antigens.
- 1x1 vial of Conjugate 1.5 ml (silver cap)
- 1x1 vial of Positive Control, 0.5ml (blue cap)
- 1x1 vial of Negative Control, 0.5 ml (red cap)
- 1x1 Mounting Fluid, 1 ml
- 1x1 PBS powder to 1 liter purified water to produce phosphate-buffered saline at pH 7.2.

Disease: Leishmania infantum
Species: Dog
Category: Laboratory
Method: IFAT
Format: kit 10 single slide, 10 spots
Code: 27262001

On request are available 50 tests kit, or single slides.

Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

FLUO NEOSPORA CANINUM

Test-Kit for the Detection of anti- Neospora caninum IgG - Antibodies in Dog or Bovine Serum or Plasma.

FLUO NEOSPORA CANINUM, substrate slides are intended for the detection and semi-quantitation of IgG class antibodies to Neospora caninum in dog or bovine serum. 10-well Substrate masked slides, containing Neospora caninum infected Vero cells monolayer culture.

Principle of the Test

Dog sera are diluted 1:50 or bovine sera are diluted 1:200 and 1:400 in buffered saline and incubated in the individual slide wells to allow reaction of patient antibody with the Neospora caninum infected Vero cells monolayer culture. Slides are then washed to remove unreacted serum proteins, and fluorescence labeled anti-dog IgG or anti-bov. IgG (conjugate) is added. This conjugate is allowed time to react with antigen-antibody complexes. The slides are washed again to remove unreacted conjugate. The resulting reactions can be visualized using standard fluorescence microscopy, where a positive reaction is seen as sharply defined apple-green fluorescent protozoa (Tachizoit) in each field. A negative reaction is seen with fluorescence unlike that seen in the positive control well. Positive reactions may then be retest at higher dilution to determine the highest reactive or endpoint dilution.

Kit Components

- 10 x10-well Substrate masked slides with Neospora caninum antigens.
- 1x1 vial of anti-dog Conjugate 3.0 ml
- 1x1 vial of anti-bovine Conjugate 3.0 ml
- 1x1 vial of Positive Control, 0.5ml
- 1x1 vial of Negative Control, 0.5 ml
- 1x1 Mounting Fluid 3,0 ml
- 1 User Insert

Disease: Neospora caninum
Species: Dog
Category: Laboratory
Method: IFAT
Format: kit 10 single slide, 10 spots
Code: 27263401

On request are available 50 tests kit, or single slides.

Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

FLUO PANLEUCOPENIA

Test-Kit for the Detection of anti- Feline Panleucopenia IgG - Antibodies in Cat Serum or Plasma.

FLUO PANLEUCOPENIA, substrate slides are intended for the detection and semi-quantitation of IgG class antibodies to feline Panleucopenia in cat serum. 10-well Substrate masked slides, infected cells with inactivated feline Panleucopenia antigen.

Principle of the Test

Cat sera are diluted in buffered saline and incubated in the individual slide wells to allow reaction of patient antibody with the inactivated cells infected with feline Panleucopenia antigens together with not infected cells fixed on the slide. Slides are then washed to remove unreacted serum proteins, and fluorescence labeled anti-cat IgG (conjugate) is added. This conjugate is allowed time to react with antigen-antibody complexes. The slides are washed again to remove unreacted conjugate. The resulting reactions can be visualized using standard fluorescence microscopy, where a positive reaction is seen as sharply defined apple-green fluorescent binds to the superficial protein in each infected cell. At a negative reaction the cells do not show any fluorescence and stay grey-green coloured. Using the yellow filter they stay red coloured anyway unlike that seen in the positive control well. Positive reactions may then be retested at higher dilution's to determine the highest reactive or endpoint dilution.

Kit Components

- 10x10-well Substrate masked slides, infected cells with feline Panleucopenia antigen.
- 1x1 vial of Conjugate 3,0 ml flurescein-labeled anti-feline IgG
- 1x1 vial of Positive Control, 0.5ml
- 1x1 vial of Negative Control, 0.5 ml
- 1x1 vial Mounting Fluid, 3,0 ml
- Insert

Disease: Panleucopenia
Species: Cat
Category: Laboratory
Method: IFAT
Format: kit 10 single slide, 10 spots
Code: 27263201

On request are available 50 tests kit, or single slides.

FLUO TOXOPLASMA

Test-Kit for the Detection of anti- Feline Toxoplasma IgG - Antibodies in Cat Serum or Plasma.

FLUO TOXOPLASMA, substrate slides are intended for the detection and semi-quantitation of IgG class antibodies to feline Toxoplasmosis in cat serum. 10-well Substrate masked slides, infected cells with inactivated feline Txoplasma antigen.

Principle of the Test

Cat sera are diluted in buffered saline and incubated in the individual slide wells to allow reaction of patient antibody with the inactivated cells infected with feline Toxplasma antigens together with not infected cells fixed on the slide. Slides are then washed to remove unreacted serum proteins, and fluorescence labeled anti-cat IgG (conjugate) is added. This conjugate is allowed time to react with antigen-antibody complexes. The slides are washed again to remove unreacted conjugate. The resulting reactions can be visualized using standard fluorescence microscopy, where a positive reaction is seen as sharply defined apple-green fluorescent binds to the superficial protein in each infected cell. At a negative reaction the cells do not show any fluorescence and stay grey-green coloured. Using the yellow filter they stay red coloured anyway unlike that seen in the positive control well. Positive reactions may then be retested at higher dilution's to determine the highest reactive or endpoint dilution.

Kit Components

- 10x10-well Substrate masked slides, infected cells with feline Toxoplasma antigen.
- 1x1 vial of Conjugate 3,0 ml flurescein-labeled anti-feline IgG
- 1x1 vial of Positive Control, 0.5ml
- 1x1 vial of Negative Control, 0.5 ml
- 1x1 vial Mounting Fluid, 3,0 ml
- Insert

Disease: Toxoplasma
Species: Cat
Category: Laboratory
Method: IFAT
Format: kit 10 single slide, 10 spots
Code: 27265101

On request are available 50 tests kit, or single slides.

Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

HOW TO ORDER

Products can be purchased directly from AGROLABO S.p.A., when a local exclusive distributor is not available.
AGROLABO has several exclusive and non-exclusive distributors. Please contact our marketing office marketing@agrolabo.it for detailed information.
Alternatively, if there is not yet an exclusive distributor in your area, please find enclosed a guide to how to order directly from AGROLABO S.p.A.
If your area is covered by one of AGROLABO's non exclusive distributors, you may choose whether to purchase from the distributor or directly from AGROLABO S.p.A.

For direct orders to AGROLABO S.p.A., please choose from one of the following methods:

How to Order Directly from AGROLABO S.p.A.

There are several ways you can order our products:

Order by e-mail:

Using our e-mail address import@agrolabo.it.
Please indicate in the message the name of the product/s that you need, specifying the number of tests per box and possibly the product code. Include in the message your name, address and VAT no. For payment please indicate the following data:

- Credit card number (we accept MasterCard, VISA)
- Credit card registered holder
- Credit card expiry date

No extra expense for handling, packaging will be charged.
You will be asked to contribute to shipping costs.
Please note that all orders will be shipped on Mondays and/or Wednesdays.

Order by Phone:

All World Orders: **+39 0125 731111**
We will need to know:

- Which product/s you need
- Your name and address
- Credit card number (we accept MasterCard, VISA)
- Credit card registered holder
- Credit card expiry date

No extra expense for handling, packaging will be charged.
You will be asked to contribute to shipping costs.
Please note that all orders will be shipped on Mondays and/or Wednesdays.

Order by FAX or by Mail:

To fax or mail your order, please use the order form at the end of this catalogue and send to the following address:

- **FAX** - All World Orders: **+39 0125 731190**
- **AGROLABO S.p.A.**
  Diagnostic Division
  Via Masero snc, 10090 Scarmagno (TO) - Italy

Shipping Information:

No extra expenses for handling, packaging will be added.
All product/s will be shipped by courier.
For shipments to EU countries € 20,00 will be charged to invoice while to NON EU countries € 50,00 will be charged to invoice.
Please note that all orders will be shipped on Mondays and/or Wednesdays.

Questions & Comments:

We'd like to hear from you. Please send any queries about your orders to agrolabo@agrolabo.it.

Products for nutritional, therapetic and diagnostic products for livestock and companion animals.
Research, development and manufacture of biotechnological products applied to the veterinary field.
Via Masero snc, 10010 Scarmagno (TO) Italy
Tel. 0039 0125 731111 Fax 0039 0125 731190 Web site www.agrolabo.it

Order by Fax or Mail

To place an order, please complete the following information and fax or mail to:
AGROLABO S.p.A. - Diagnostic Division
Via Masero snc – 10090 Scarmagno (TO) - Italy
FAX: +39 0125 731190

Shipping Address:

Company Name _____

Name _____

Delivery Address _____

City, State _____

Zip/Postal Code, Country _____

Daytime Telephone Number _____

FAX Number _____

Email Address _____
(very important; please print clearly!)

Account Number _____

Order Information:

Product	Test/box	Product code	Quantity	Price/Euro

Plus shipment cost.

Payment Information:
We accept: MasterCard, VISA

Type of Credit card (MasterCard or VISA)

_____ _____
Credit Card Number (13-16 digits) Exp. Date

_____
Signature